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In Re: Badger et al. TRA
(Applicant) Serial No.
In Re: U.S. NATIONAL STRATEGIC A35477 PCT USA 02/05/04
APPLICATION (06/385,422)
Title of Patent (Title of Poco) (File No.)
Title of Poco (Date)
The stamp of the Patent Office Mail Room acknowledge the
receipt of the above-identified papers on the date indicated by such stamp.
Enclosed: Transmittal in duplicate, WO 04/0403765 w/ 9 pages Specification, 3 pages of claims
5 sheets of drawings, International Search Report, PCT/USA/200, FCT/IB/308, Check 1,000.
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Exhibit 1

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44th and 45th floors

New York, New York 10112-0228

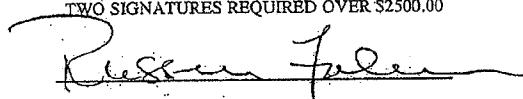
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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER A35477 PCT USA (065855.) U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/US2002/039248	INTERNATIONAL FILING DATE 6 DECEMBER 2002	PRIORITY DATE CLAIMED 6 DECEMBER 2002
TITLE OF INVENTION A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES		
APPLICANT(S) FOR DO/EO/US David Warren Badger, Dale Benner, Elizabeth Ann Waldman and Girish Marathe		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(6)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Published Appln. WO 2004/053763 w/Search Report, PCT/ISA/220, PCT/IB/308</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER						
		PCT/US2002/039248		A35477 PCT USA (065855.)						
The following fees have been submitted										
21. <input checked="" type="checkbox"/> Basic national fee.....		\$300		\$ 300.00						
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....		\$100 \$200		\$ 200.00						
All other situations.....										
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the International application to the USPTO as an International Searching Authority.....		\$100		\$ 400.00						
International Search Report prepared and provided to the Office.....		\$400 \$500								
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Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).										
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE						
Total claims	22	- 20 =	2	x \$ 50						
Independent claims	2	- 3 =	0	x \$200						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360						
TOTAL OF ABOVE CACULATIONS = \$ 1,000.00										
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.										
SUBTOTAL = \$ 1,000.00										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).										
TOTAL NATIONAL FEE = \$ 1,000.00										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property										
TOTAL FEES ENCLOSED = \$ 1,000.00										
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<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,000.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 02-4377 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4377. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>										
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 <table border="1"> <tr> <td>SIGNATURE</td> </tr> <tr> <td>Paul A. Ragusa</td> </tr> <tr> <td>NAME</td> </tr> <tr> <td>38,587</td> </tr> <tr> <td>REGISTRATION NUMBER</td> </tr> </table>						SIGNATURE	Paul A. Ragusa	NAME	38,587	REGISTRATION NUMBER
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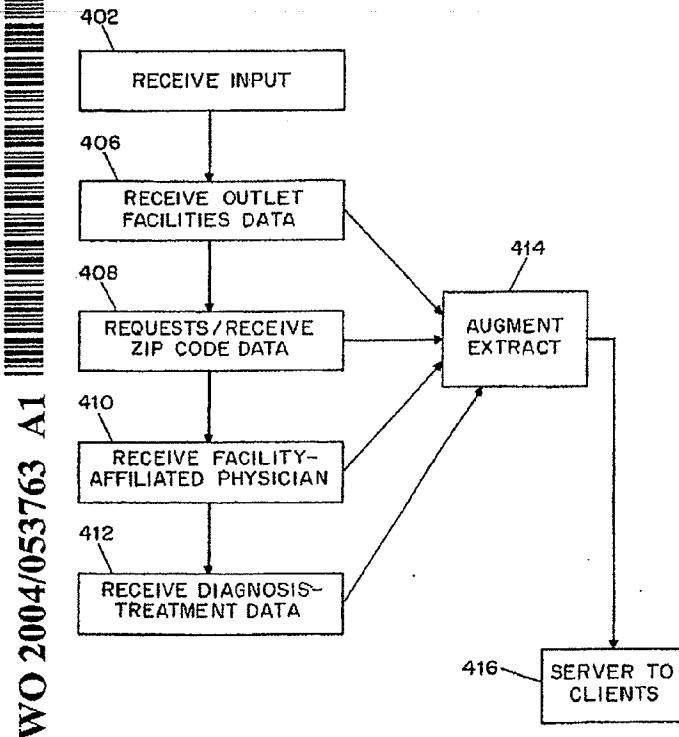
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[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES



WO 2004/053763 A1

(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, BE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES**FIELD OF THE INVENTION**

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to 5 create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers 10 to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data 15 relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under 20 performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales." Non-retail sales are most notably drug sales terminating in hospitals, departments in 25 hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

5 Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehensible form. Thus, it is difficult to get a clear understanding of the
10 respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

OBJECTS AND SUMMARY OF THE INVENTION

An object of the present invention is to receive pharmaceutical delivery
15 information pertaining to the sales of pharmaceuticals, from manufacturers and other distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

It is a further object of the present invention to provide for multiple un-related
20 types of reference datum, where the reference datum provides more detailed information than that originally contained in the non-augmented pharmaceutical delivery information.

In order to achieve these objectives, as well as others which will become
25 apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such
30 data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

5 In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

In another preferred embodiment, the extract is inter-related with reference 10 datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

In yet another preferred embodiment, the extract is inter-related with reference 15 datum that includes postal zip code information relating to the facilities. Advantageously, where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for the zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual 20 facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

25

BRIEF DESCRIPTION OF THE DRAWINGS

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein:

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry;

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

5 FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

10 FIG. 5 is an example of pharmaceutical delivery information and the inter-relation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to 15 herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known 10 "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where 20 non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling prescriptions prescribed and filled therein.

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated 25 with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212, 214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical analysis. For example, a facility could be New York University ("NYU") Medical Center, where non-retail outlets include NYU's Oncology Department, NYU's Maternity Department,

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

5 The manufacturers 102 and distributors 104 provide the reporting data regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may 10 arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

10 The system and method of the present invention "fills the gaps" in the data set provided by the manufacturers 102 and distributors 104, as well as provides a more detailed 15 data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

20 Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same address.

25 Referring to FIG. 3, an exemplary embodiment of the present invention will be described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference datum from one or more reference data units 304, 306, 308, 320. Reference data units may 30 include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 5 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatric Department, and Dr. John Doe Office, all are related to the NYU Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of 10 relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augmented by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the 15 example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical Center facility. So the extraction unit 302 then preferably requests data from other reference 20 data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. 25 A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of 30 data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outlet-
5 facility unit 304 and zip code unit 306, in step 410 the present system and method inter-
relates the augmented extract with facility-affiliated physician data via the facility-affiliated
physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as
described above by populating a "physician" field in the extract by keying in on the facility.

Thereafter, in step 412 the present system and method preferably inter-relates
10 the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The
diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of
diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical
prescribed can be inter-related with one or more diagnosis. This inter-relationship is
important because it can help a manufacturer determine which facilities and/or outlets to
15 target for advertisement of a particular drug based upon the most common medical use.
Thus, the drugs are keyed on in the extract and populated with diagnosis data where
available.

Based upon the reference data received and the data already in the extract data
record, the extract may be augmented after the reception of one type of reference datum or
20 may need to wait until the reception of multiple types of reference datum. In this way,
augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is
ready to be queried. With so many query options and data from multiple manufacturers and
distributors, efficiency as well as security concerns are apparent. To counter balance the
25 efficiency concerns, queries are written into the system, as requested by manufacturers, in a
pre-defined manner. Thus, the present system and method may execute a pre-defined query
at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pre-
generated such that the presentation of the reporting data to clients may be facilitated in an
efficient manner. Since the extract data is at best updated weekly, stale data will not result.
30 In terms of security, the extraction unit 302 preferably only allows a client, where one or
more clients are affiliated with a unique manufacturer, to view the results of queries

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidential rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

Extraction unit 302, outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate and pass data over data bus 322. Data bus 322 also comprises a database for the caching of data, when needed as between the above aforementioned units.

The above system and method may be implemented by many computer languages commonly known in the art and may operate on many computer platforms which include both volatile and non-volatile memory storage devices. In a preferred embodiment, the system and method of the present invention is implemented, in whole or in part, in a multi-tiered architecture consisting of a mainframe computer and distributed network servers, including Unix and windows web servers. Software code encapsulating the functionality of the present inventive technique may be implemented on such computer systems, preferably written in COBOL, SAS, JCL, C, C++, Korn/Unix Shell, ASP, and/or Visual Basic. Preferably data and the results of the data queries are stored in one or more relational

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

5 Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

CLAIMS

1. A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:
 - 5 an input for receiving said pharmaceutical delivery information ;
 - a reference data unit storing said one or more reference datum, said reference datum sharing at least one cross relational property to said pharmaceutical delivery information ;
 - 10 an extraction unit, coupled to said input and receiving pharmaceutical delivery information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.
2. The system of claim 1, wherein said reference data unit comprises an outlet-facility unit for providing relationship information between an outlet and a facility, said extraction unit receiving said relationship information and augmenting said pharmaceutical delivery information to include said relationship information with said facility.
3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information, 20 said pharmaceuticals being delivered to sub-outlets.
4. The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.
5. The system of claim 2, wherein said reference data unit comprises a zip code unit providing a virtual facility for a zip code for one or more outlets in said zip code which 25 are not related to an actual facility.
6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said pharmaceutical delivery information to include said physician information.
- 30 7. The system of claim 1, wherein said reference data unit comprises a diagnosis-treatment unit providing a cross reference between pharmaceuticals and medical diagnosis,

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

8. The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.

5 9. The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

10 10. The system of claim 1, wherein said extract data is received weekly.

11. The system of claim 1, wherein said extract data is received monthly.

12. A method for inter-relating pharmaceutical delivery information from a 10 manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

receiving an input comprising pharmaceutical delivery information ;

receiving one or more reference datum, said reference datum sharing at least one cross relational property to a data type in said pharmaceutical delivery information ; and

15 augmenting said pharmaceutical delivery information by inter-relating said data type in said pharmaceutical delivery information with said one or more reference datum in order to provide pharmaceutical delivery information with inter-related reference datum.

13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a 20 facility.

14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.

15. The method of claim 14, wherein said zip code is an actual postal zip code.

16. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.

25 17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.

19. The method of claim 18, wherein said diagnosis-treatment data is retrieved
5 from an external database.

20. The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.

21. The method of claim 12, wherein said extract data is received weekly.

22. The method of claim 12, wherein said extract data is received monthly.

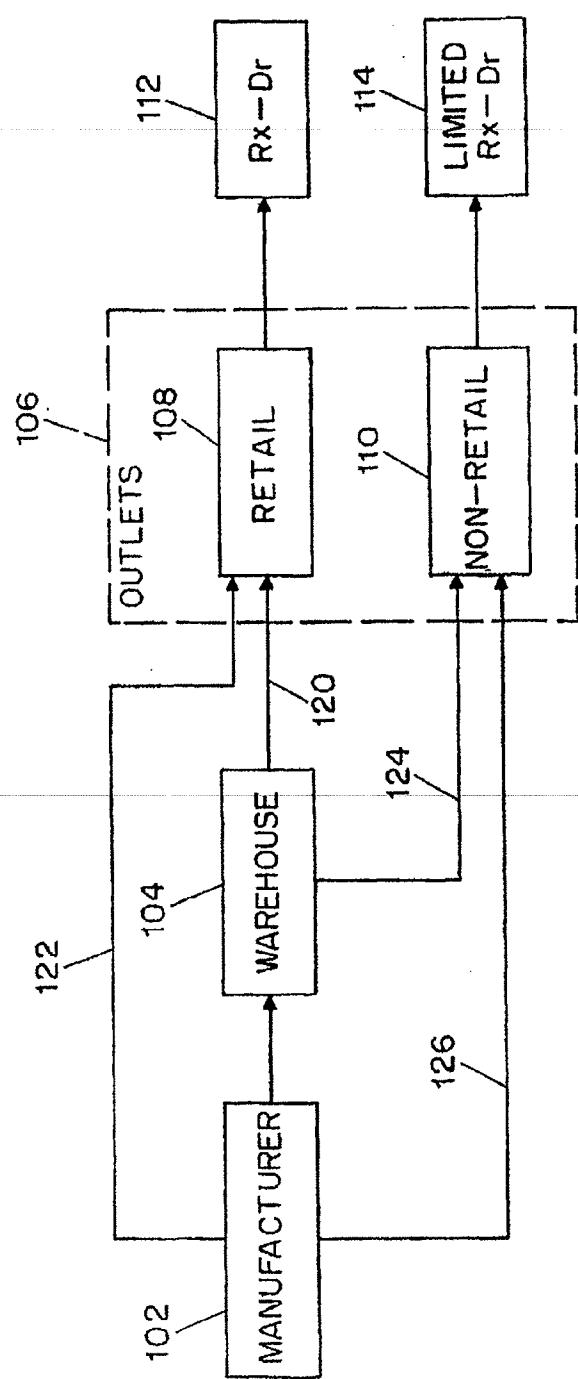


FIG. 1

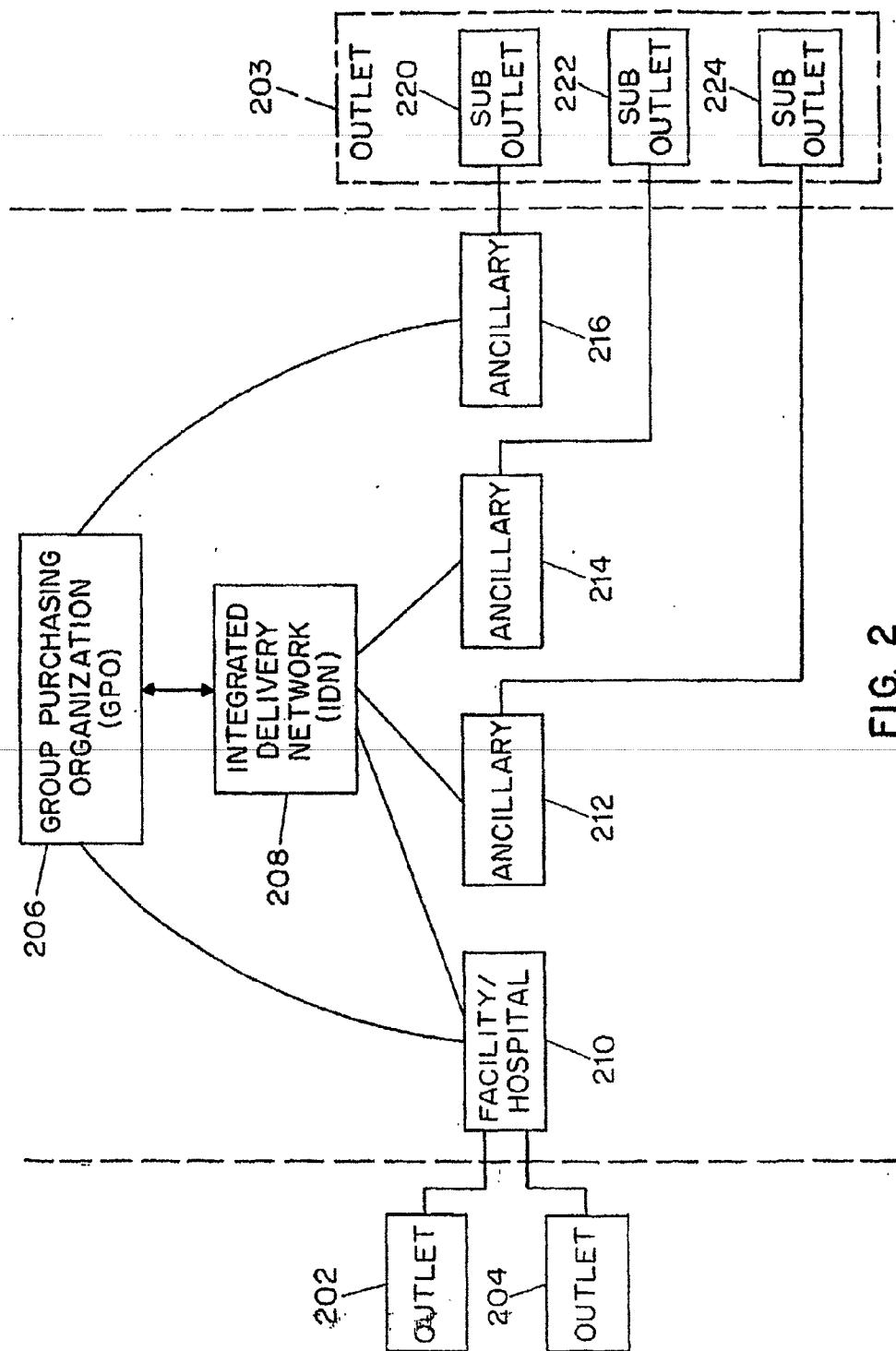


FIG. 2

SUBSTITUTE SHEET (RIII E 98)

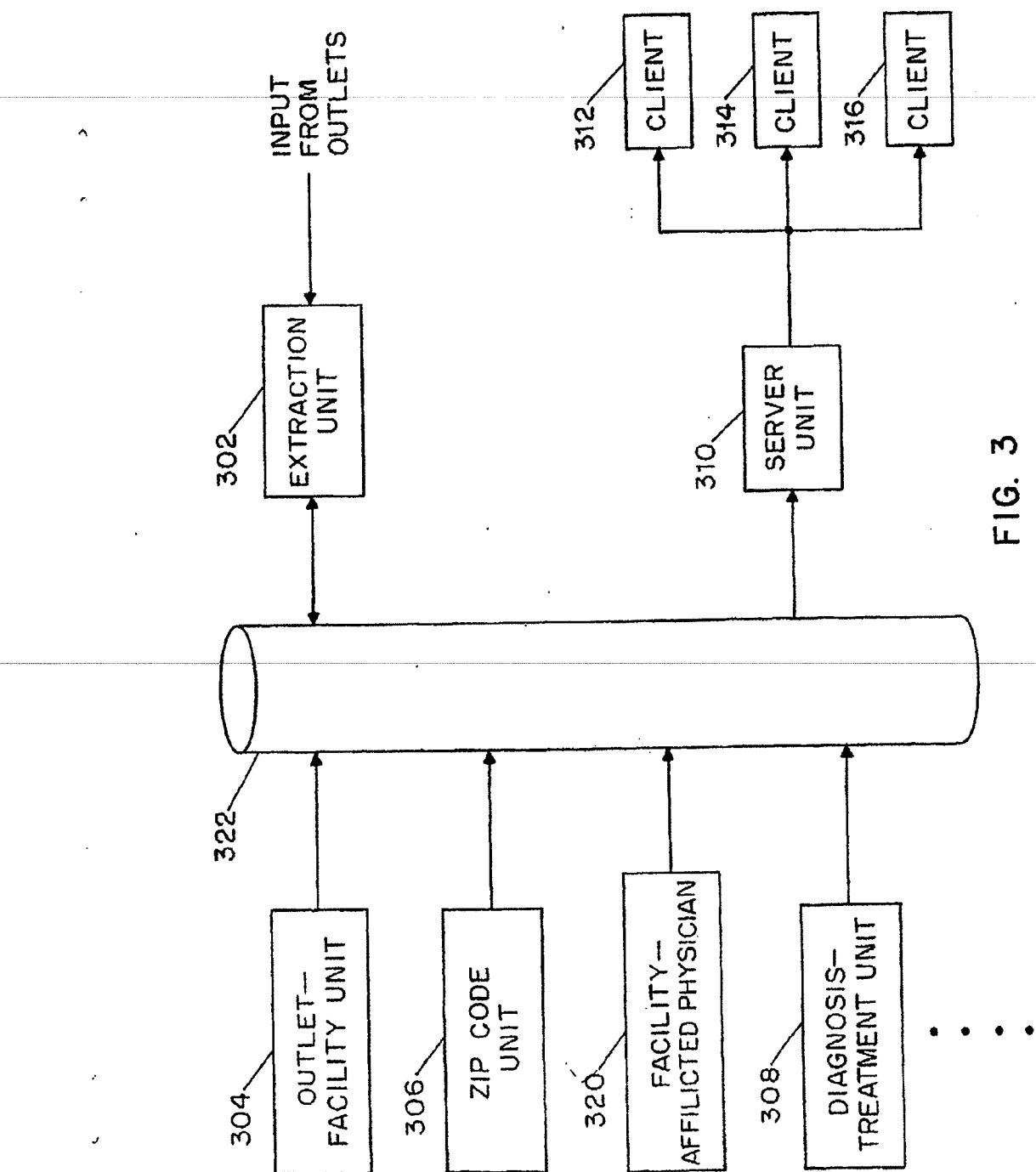


FIG. 3

SUBSTITUTE SHEET (RIJF 96)

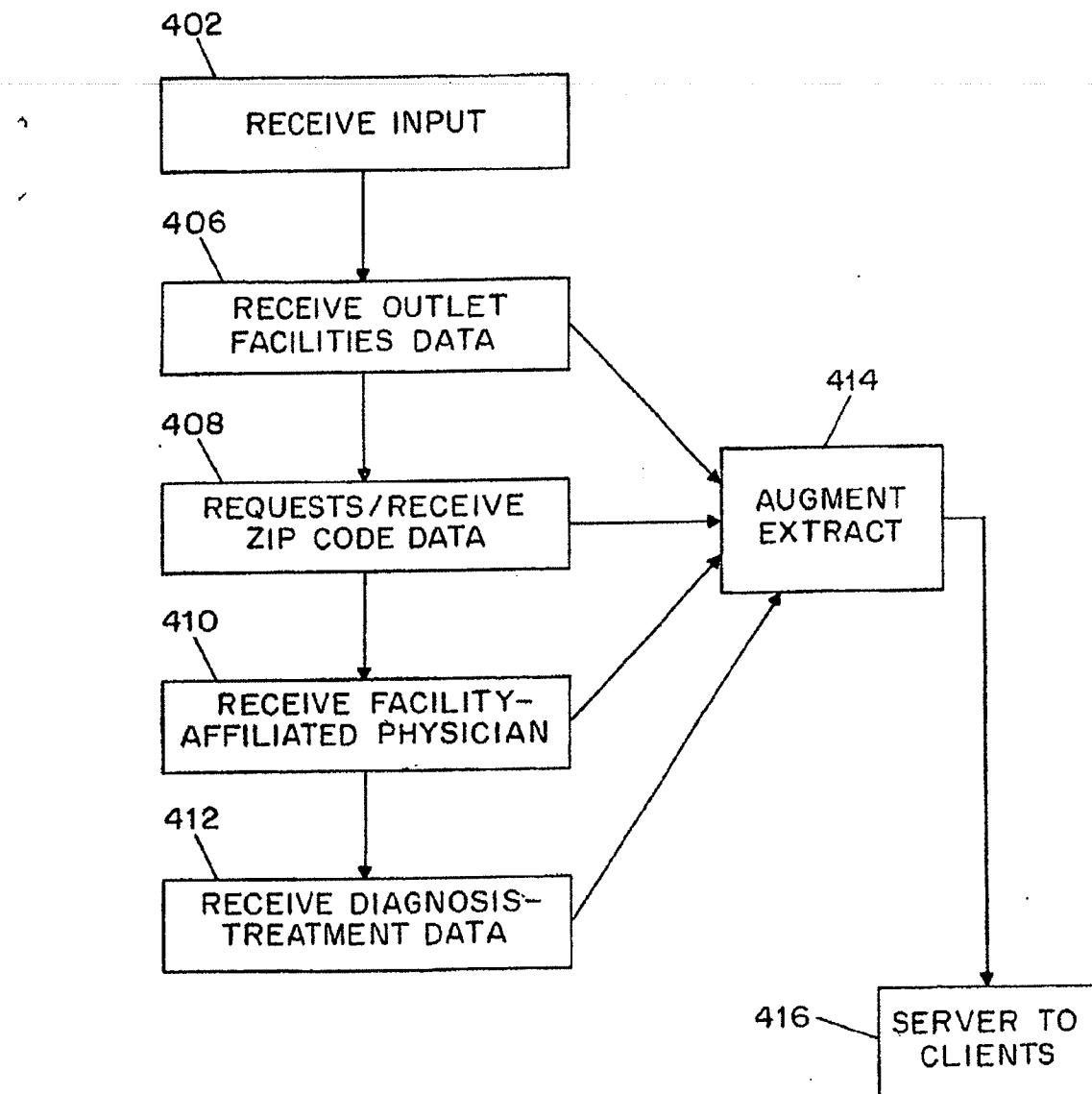


FIG. 4

SUBSTITUTE SHEET (RULE 26)

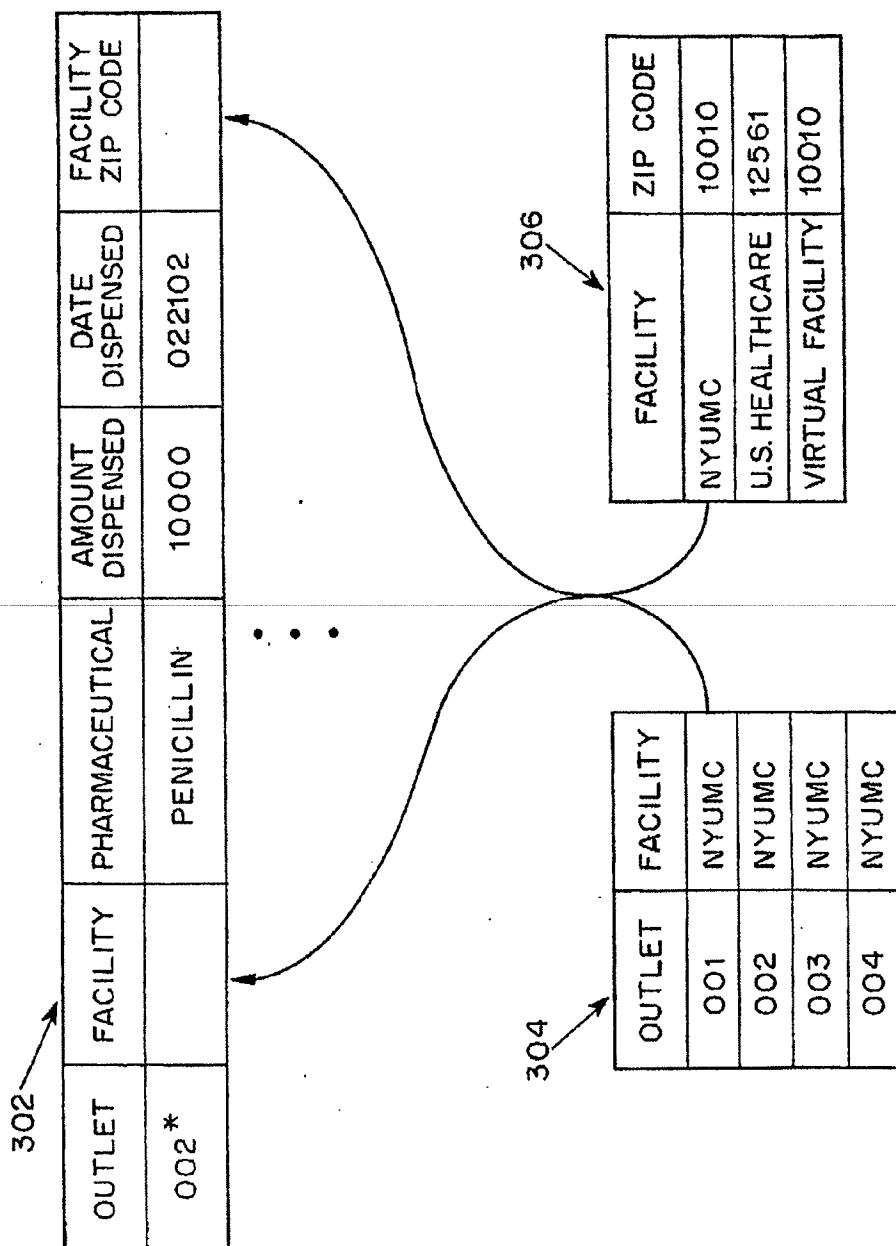


FIG. 5

SUBSTITUTE SHEET (RULE 26)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/39248

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/60
US CL : 705/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 705/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
West - USPatents;Pubs;Derwent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0111828 A1 (BLODER et al.) 15 August 2002 (15.08.2002), Fig. 1, Abstract, [003]-[0013], [0018]-[0022]-[0026].	1-22
A	US 6,249,774 B1 (RODEN, et al.) 19 June 2001 (19.06.2001), Figs. 1-3; col. 2, lines 11-59; col. 3, line 9-col. 4, line 49; col. 5, line 52-col. 6, line 2; col. 7, line 56-col. 8, line 59; col. 9, line 1-col. 10, line 56.	1-22
A	US 2002/0065583 A1 (PHAM et al.) 30 May 2002 (30.05.2002) Figs. 1-3, Abstract, [0005]-[0008], [0011]-[0013], [0015]-[0021]-[0024], [0031]-[0037], [0077], [0086]-[0087], [0103]-[0137], [0144], [0148], [0150], [0160].	1-22

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel, or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search		Date of mailing of the international search report	
11 March 2003 (11.03.2003)		29 MAY 2003	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230		Authorized officer Richard Chilcot  Telephone No. (703) 308-1113	

Form PCT/ISA/210 (second sheet) (July 1998)

Exhibit 1

INTERNATIONAL COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)	(Earliest) Priority Date (day/month/year)
Applicant IMS HEALTH INCORPORATED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. Certain claims were found unsearchable (See Box I).3. Unity of invention is lacking (See Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 4

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures

Form PCT/ISA/210 (first sheet) (July 1998)

Exhibit 1

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/39248

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

Exhibit 1

PATENT COOPERATION TREATY

DO NOT USE THIS FORM

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing
(day/month/year) 29 MAY 2003

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)
Applicant IMS HEALTH INCORPORATED	

1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 36 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Commissioner for Patents Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer Richard Chilcot Telephone No. (703) 308-1113
---	---

(See notes on accompanying sheet)

Form PCT/ISA/220 (April 2002)

Address in Boxes

Docketed
For 2/25/2003 by

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

Date of mailing (day/month/year) 24 June 2004 (24.06.2004)		To: RAGUSA, Paul, A. Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112-4498 ETATS-UNIS D'AMÉRIQUE	
Applicant's or agent's file reference 35477-PCT		RECEIVED BAKER & BOTTLS, L.L.P. JUN 30 2004 Foreign Dept.	
International application No. PCT/US2002/039248	International filing date (day/month/year) 06 December 2002 (06.12.2002)	Priority date (day/month/year)	01 JUL 2004 AM 10:35 TO
Applicant IMS HEALTH INCORPORATED et al			

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 24 June 2004 (24.06.2004) under No. WO 2004/053763

4. **TIME LIMITS** for filing a demand for international preliminary examination and for entry into the national phase

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a demand for international preliminary examination, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90

Form PCT/IB/308 (April 2002)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/537,474	David Warren BADGER	A35477 PCT USA (065855.)
Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112		INTERNATIONAL APPLICATION NO. PCT/US02/39248
		I.A. FILING DATE 12/06/2002
		PRIORITY DATE

CONFIRMATION NO. 3259

371

**ABANDONMENT/TERMINATION
LETTER**



OC000000032290139

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

- Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE

Telephone: (703) 308-9140 EXT 222

In Re: **Badger et al.** 10/537,474
(Applicant) (Serial No.)
STATUS LETTER 10-11-2006 065855.0354 (A35477
In Re: (Title of Paper) (Date) (File No.)
PCT USA)

The stamp of the Patent Office Mail Room hereon acknowledges the receipt
of the above-identified papers on the date indicated by such stamp.

Enclosed: Status Letter, return postcard, return self-address envelope

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Badger et al.
Serial No. : 10/537,474 Examiner : Unassigned
Filed : June 3, 2006 Group Art Unit : Unassigned
For : A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

STATUS LETTER

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1440 on:

October 11, 2006

Date of Deposit

Manu J. Tejwani

Attorney Name

37,952

PTO Reg. No.


Manu J. Tejwani

October 11, 2006

Date of Signature

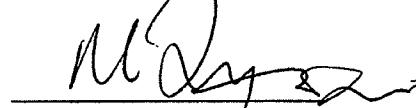
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A periodic check of our dockets indicates that, to date, we have not received a Filing Receipt or Office Action for the above-referenced patent application, which was filed with the United States Patent and Trademark Office on June 3, 2005. The most recent communication from the Patent Office, which advised of the Information Disclosure Statement received on September 19, 2005.

Please indicate when an action on the merits can be expected by completing the lower portion of this letter and returning it to the applicants. A stamped, self-addressed envelope is enclosed for your convenience.

Respectfully submitted,



Manu J. Tejwani
Patent Office Reg. No. 37,952

Attorneys for Applicant(s)
(212) 408-2500

BAKER BOTTS LLP
30 Rockefeller Plaza
New York, NY 10112

An action on the merits should be issued by _____.

Official Action was sent on _____.

EXHIBIT 3

NY02:563442.1

In Re: **Badger et al** 10/537,474
(Applicant) (Serial No.)

STATUS LETTER 10-11-2006 065556,0354 (A35477
PCT USA) (File No.)

In Re: **(Title of Paper)** (Date)
The stamp of the Patent Office Mail Room hereon acknowledges the receipt
of the above-identified papers on the date indicated by such stamp.

Enclosed: Status Letter, return postcard, return self-address envelope
RECEIVED (Circular Postmark)
OCT 23 2006

EXHIBIT 3



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/537,474	David Warren BADGER	A35477 PCT USA (065855.)
Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112		INTERNATIONAL APPLICATION NO. PCT/US02/39248
		I.A. FILING DATE 12/06/2002
		PRIORITY DATE

CONFIRMATION NO. 3259 371 FORMALITIES LETTER



OC000000027832799

Date Mailed: 01/22/2008

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Copy of the International Application filed on 06/03/2005
- Copy of the International Search Report filed on 06/03/2005
- Information Disclosure Statements filed on 09/19/2005
- U.S. Basic National Fees filed on 06/03/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of **\$100** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of **\$130** for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$230** for a Large Entity:

- **\$130** Surcharge.

Total additional claim fee(s) for this application is **\$100**

- **\$100** for 2 total claims over 20.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

TERRY M JOHNSON VESSELS

Telephone: (703) 308-9140 EXT 221

CaseNumber	AppNumber	BaseDate	DueDate	ActionType	ActionDue
xxxxxx.0215	10/516675	22-Oct-07	22-Mar-08	US-Final Office Action	2nd Extension
xxxxxx.2115	11/865209	22-Oct-07	22-Mar-08	Parts	US-2 Month Missing Drawings 3rd Reminder
xxxxxx.3354	11/876434	22-Oct-07	22-Mar-08	Filing Receipt Rec'd	Filing Receipt Rec'd

EXHIBIT 5

xxxxxx.0325	60/919843	23-Mar-07	22-Mar-08	Foreign Filing	Foreign Filing Final - LA
xxxxxx.0325	60/919843	23-Mar-07	22-Mar-08	Foreign Filing - Atty.	Foreign Filing Final - Atty.
xxxxxx.2623	XXXXXX48.9	23-Mar-08	22-Mar-08 (F)	Annuity Fee Due	Annuity Fee Due

EXHIBIT 5

xxxxxx.0103	11/632461	22-Oct-07	22-Mar-08	Filing Receipt Rec'd		
xxxxxx.0504	11/084504	22-Jan-08	22-Mar-08	US-Allowance	Fee Due in 1 Month	Filing Receipt Rec'd
xxxxxx.0504	11/084504	22-Jan-08	22-Mar-08	US-Allowance	Notice/Pub. Fee Reminder	

EXHIBIT 5

xxxxxx.1106	11/369202	22-Mar-08	22-Mar-08 Due	US-Request for Status Request for Status Due
xxxxxx.0220	11/108190	22-Jan-08	22-Mar-08 US-Final Office Action	2 Month Amendment Due Date
xxxxxx.0980	12/052571	22-Mar-08	22-Mar-08 US-File Application	File Application

EXHIBIT 5

xxxxxx.1518	11/051701	22-Jan-08	22-Mar-08	US-Allowance	Fee Due in 1 Month
xxxxxx.0136	XXXX/XX953	22-Aug-06	22-Mar-08	IB311	Publication with Form
xxxxxx.0112	11/539464	22-Jan-08	22-Mar-08	US-3 Month Office Action	1 Month to Due Date

EXHIBIT 5

xxxxxx.0202 1	11/876546	22-Oct-07	22-Mar-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.2360	XXXXX515	23-Mar-08	22-Mar-08 (F) Annuity Fee Due	Annuity Fee Due

CaseNumber	AppNumber	BaseDate	DueDate	ActionType	ActionDue
xxxxxx.1121	XXXXXXXXXX325	22-Apr-08	22-Apr-08	PCT Search Report Follow-Up	PCT Search Report Follow-Up
xxxxxx.0310	11/779751		22-Oct-07	US-Req.Correct.Filing Receipt	Follow Up Re Filing Receipt
xxxxxx.1674	10764099		22-Apr-08	22-Apr-08 US Patent Issue Date	Patent Issue Date
xxxxxx.2711	XXXXXXXXXX980	22-Jul-08	22-Apr-08	(F) Official Action	Official Action Issued
xxxxxx.0132	11/142939	22-Feb-08	22-Apr-08	US-3 Month Office Action	1 Month to Due Date
xxxxxx.3675	12/055545	22-Apr-08	22-Apr-08	US-Assignment Recorded A	Assignment Recorded A
xxxxxx.0479	XXXXXXX44.1	22-Apr-08	22-Apr-08	EP - Rule 112(1) Communication	Notice - Loss of Rights Issued
xxxxxx.0725	11/047876	22-Apr-08	22-Apr-08	US-RCE (Req. Cont'd Exam)	RCE (Req. Cont'd Exam)
xxxxxx.2559	XXXXXXXXXX378	08-Apr-08	22-Apr-08	(F) Transmittal to Client	Review Correspondence

xxxxxx.1656	xxxx-xxxx992	31-Mar-08	22-Apr-08 months	(F) Official Action - 2 Assoc. Confirm Filing Response
xxxxxx.0106	11/068144	22-Feb-08	22-Apr-08 Action	US-3 Month Office Draft Response to Client
xxxxxx.0270	12/032220	22-Apr-08	22-Apr-08 US Application Filed	Application Filed
xxxxxx.2115	11/865209	22-Oct-07	22-Apr-08 Parts	US-2 Month Missing Filing Fees 4th Reminder
xxxxxx.1674	10764099	22-Apr-08	22-Apr-08 US Issue Notification	Issue Notification
xxxxxx.2115	11/865209	22-Oct-07	22-Apr-08 Parts	US-2 Month Missing Assignment 4th Reminder
xxxxxx.1391	11/702342	22-Apr-08	22-Apr-08 Due US-Request for Status	Patent Issued?
xxxxxx.6451	XXX629	19-Mar-07	22-Apr-08 (F) Prior Art Disclosure Prior Art Disclosure Review	
xxxxxx.2529	XXXXXX/X003	22-Apr-08	22-Apr-08 (F) Official Action	Official Action Issued
xxxxxx.0630	XXX/XXXX/XX677	08-Apr-08	22-Apr-08 PCT Form ISA/225 Invite to Furnish Seq List	

xxxxxx.3407	XXXXXXX/XXX60	15-Apr-08	22-Apr-08 Received	ISRWritten Opinion	Transmittal to Client
xxxxxx.0112	XXXXXXX330	09-Apr-08	22-Apr-08 (F) Annuity Fee Due	Letter to Client Due	
xxxxxx.3043	XXXXXX49.7	22-Apr-08	22-Apr-08 Search Report	EP-Supplementary Search	Supplementary Search Issued
xxxxxx.0102	XXXXXX352	22-Jan-08	22-Apr-08 Rule 92bis	PCT Change Under PCT/IB306	Received Form
xxxxxx.0214	XXXXXXX95	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	
xxxxxx.0711	1/183028	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed	
xxxxxx.2387	XX-XXXXXXX239	25-Jun-08	22-Apr-08 (F) Official Action	Official Action Issued	
xxxxxx.0708	10/225391	22-Feb-08	22-Apr-08 US-Final Office Action	2 Month Amendment Due Date	
xxxxxx.0112	11/539464	22-Jan-08	22-Apr-08 Action	US-3 Month Office	
xxxxxx.0112	11/539464	22-Apr-08	22-Apr-08 US-IDS Filed	3 Month Due Date	IDS Filed

				Issue Fee Follow Up
xxxxxx.1938	11/042906	24-Jul-07	22-Apr-08 US-Allowance	
xxxxxx.0144	10/729603	22-Oct-07	22-Apr-08 Action	US-3 Month Office
xxxxxx.1815	1/12/017521	22-Jan-08	22-Apr-08 Assignment	6 Month Final
			Declaration/power of attorney	Assignment
xxxxxx.1815	1/12/017521	22-Jan-08	22-Apr-08 attorney	Declaration/power of attorney
xxxxxx.0215	10/516675	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1666	1/1/876301	22-Oct-07	22-Apr-08 Foreign Filing	6 Month Final Date
xxxxxx.1829	1/12/017582	22-Jan-08	22-Apr-08 Assignment	6 Mo. Foreign Filing Reminder
xxxxxx.1829	1/12/017582	22-Jan-08	22-Apr-08 attorney	Assignment
xxxxxx.1829	1/12/017582	22-Jan-08	Declaration/power of attorney	Declaration/power of attorney
xxxxxx.2562	XXXXXXXXXXXX382	22-Apr-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
			22-Apr-08 (F) Transmittal to Client Review Correspondence	

xxxxxx.1749	XXXX/XX614	22-Jan-08	22-Apr-08 Form IB/301	Form IB/301
xxxxxx.1749	XXXX/XX614	22-Jan-08	22-Apr-08 Form ISA/202	Form ISA/202
xxxxxx.1730	XXXX330	30-Oct-07	(F) Official Action - 6	Review Correspondence
xxxxxx.0220	11/108190	22-Jan-08	22-Apr-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.3151	12/017707	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.3151	12/017707	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.3151	12/017707	22-Jan-08	22-Apr-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1519	10/699305	22-Jan-08	22-Apr-08 US-Allowance	Issue Fee Due
xxxxxx.1519	10/699305	22-Jan-08	22-Apr-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.1312	XXXXXX673	23-Nov-07	(F) Official Action - 4	Review Correspondence
xxxxxx.2886	XXXXXX729	06-May-08	22-Apr-08 (F) Grant/Issue Fees	Pay Grant/Issue Fees

xxxxxx.1459	11/031179	22-Jan-08	22-Apr-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.3512	XXXXXXXXXX447	22-Oct-07	22-Apr-08 (F) New Application	Filing Receipt Received
xxxxxx.1589	09/913745	29-Apr-08	22-Apr-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.1303	F XXXXXX79.6	02-Jan-08	22-Apr-08 EP-National Validation	Transmittal to Client
xxxxxx.8334	XXXXXX23.6	28-Mar-08	22-Apr-08 Search Report	EP-Supplementary Transmittal to Client
xxxxxx.3770	XXXXX351	06-May-08	22-Apr-08 (F) New Application	File Application
xxxxxx.2714	XXXXXX655	14-Dec-07	22-Apr-08 (F) Official Action	Response to US Counsel
xxxxxx.1000	XXXXXX856	15-Aug-07	22-Apr-08 by BB	Maint/Annuity not paid Transmittal to Agent
xxxxxx.1518	11/051701	22-Apr-08	US- 22-Apr-08 Comments/Allowance	Comments/Allowance
xxxxxx.1833	XXXXXX189	22-Jan-08	(F) Official Action - 4 22-Apr-08 months	Response/Amendment Due

xxxxxx.0163	10/399243	22-Feb-08	22-Apr-08 Action	US-3 Month Office	1 Month to Due Date
xxxxxx.8996	XXXXXX46.4	22-Jan-08	22-Apr-08 months	(F) Official Action - 4	Response/Amendment Due
xxxxxx.0568	11/062963	14-Apr-08	22-Apr-08 US-Supp. IDS Filed	Letter to Client Due	
xxxxxx.0103	10/937938	22-Feb-08	22-Apr-08 US-Allowance	Fee Due in 1 Month	
xxxxxx.0103	10/937938	22-Feb-08	22-Apr-08 US-Allowance	Notice/Pub. Fee Reminder	
xxxxxx.1469	12/015696	09-May-08	22-Apr-08 US-IDS Due	Letter to Client Due	
xxxxxx.1518	11/051701	22-Jan-08	22-Apr-08 US-Allowance	Issue Fee Due	
xxxxxx.1518	11/051701	22-Jan-08	22-Apr-08 US-Allowance	Notice/Pub. Fee Due	
xxxxxx.1474	11/089743	22-Feb-08	22-Apr-08 Action	US-3 Month Office	1 Month to Due Date
xxxxxx.1397	11/747002	22-Apr-08	22-Apr-08 filed	US-Power of Attorney	Power of Attorney filed

xxxxxx.1361	11/15/0139	23-Nov-07	22-Apr-08 US-Election/Restriction	4th Extension
xxxxxx.1354	XXXXXXXXXXXX454	23-Apr-08	22-Apr-08 (F) Official Action	Response/Amendment - Ext Filed
xxxxxx.0215	XXXXXXX81.3	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1397	11/747002	22-Apr-08	US-Terminal Disclaimer	Terminal Disclaimer Filed
xxxxxx.1609	11/2/018036	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1609	11/2/018036	22-Jan-08	Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.2115	11/865209	22-Oct-07	US-2 Month Missing Parts	Oath/Declaration 4th Reminder
xxxxxx.0124	060100817	15-Apr-08	22-Apr-08 Abandoned	Transmittal to Agent
xxxxxx.0101	08/302228	22-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due

xxxxxx.0212	XXXXXXX95-1	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0213	XXXXX957	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1556	XXXXX044	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1553	XXXXXXX233	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0223	XXXXXXX52/2	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Renewal Fee Due
xxxxxx.1562	11/555090	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed
xxxxxx.1554	XXXXX102	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1552	XXXXXX43.9	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0103	11/056524	22-Feb-08	22-Apr-08 Action	US-3 Month Office
xxxxxx.0563	11/062963	14-Jan-08	22-Apr-08 Action	Draft Response to Client
				US-3 Month Office
				Letter to Client Due

xxxxxx.2689	11/042922	22-Feb-08	22-Apr-08 US-Final Office Action	2 Month Amendment Due Date
xxxxxx.3055	11/349711	22-Feb-08	22-Apr-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx.1629	11/12/017916	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0201	09/580516	22-Apr-08	22-Apr-08 US-Letters Patent/Soft Copies	Letters Patent/Soft Copies
xxxxxx.0555	XXXXXX60.9	22-Apr-08	Maint/Annuity not paid by BB	Maint/Annuity not paid by BB
xxxxxx.7177	10/849318	22-Feb-08	22-Apr-08 US-Final Office Action	2 Month Amendment Due Date
xxxxxx.0949	12/027427	22-Feb-08	US-2 Mo Correct. Appln. Papers	Corrected Papers Due
xxxxxx.1424	11/862329	04-Mar-08	22-Apr-08 US-2 Month Office Action	Letter to Client Due
xxxxxx.1379	11/489320	22-Feb-08	22-Apr-08 US-Final Office Action	2 Month Amendment Due Date

xxxxxx.0168	10/595153	22-Feb-08	22-Apr-08	US-3 Month Office Action	1 Month to Due Date
xxxxxx.0321	10/760443	22-Apr-08	22-Apr-08	US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0331	10/763800	22-Apr-08	22-Apr-08	US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.2674	12/105038	22-Apr-08	22-Apr-08	US-Bar Date	Bar Date to File Appln.
xxxxxx.0242	10/595268	29-Apr-08	22-Apr-08	US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.0417	11/536681	22-Feb-08	22-Apr-08	US-Final Office Action	2 Month Amendment Due Date
xxxxxx.0230	11/276839	22-Apr-08	22-Apr-08	US-Supp. IDS Due	Supp. IDS Filed
xxxxxx.0128	11/916598	22-Apr-08	22-Apr-08	US-IDS Filed	IDS Filed
xxxxxx.1397	11/747002	22-Apr-08	22-Apr-08	US-Oath/Declaration	Oath/Declaration
xxxxxx.2103	11/677872	22-Apr-08	22-Apr-08	US-IDS Filed	IDS Filed
xxxxxx.7388	XXX630	17-Jan-07	22-Apr-08	(if) Prior Art Disclosure	Prior Art Disclosure Review
xxxxxx.3483	XXX/XXX/XX698	22-Dec-06	22-Apr-08	Form IB/304	Form IB/304

xxxxxx.1567	10/279180	22-Apr-08	22-Apr-08	US-3 Month Office
xxxxxx.0184	08/570814	22-Apr-08	22-Apr-08	Action Tax11.5
xxxxxx.0454	08/478961	22-Apr-08	22-Apr-08	Tax11.5
xxxxxx.0361	XXXXXXX11-5	23-Apr-08	22-Apr-08	EARS Annuity Due
xxxxxx.0406	60/939519	22-May-07	22-Apr-08	Foreign Filing
xxxxxx.0103	11/569413	03-Oct-07	22-Apr-08	US-2 Month Missing Parts
xxxxxx.6990	XXXXXXX58.4	03-Apr-08	22-Apr-08	EARS Supplementary Search Report
xxxxxx.2488	XXXXXXX396	23-Apr-08	22-Apr-08	EARS Annuity Due
xxxxxx.0822	11/117959	19-Mar-08	22-Apr-08	US-Election/Restriction Letter to Client Due
xxxxxx.0123	XXXXXXX22.4	22-Nov-07	22-Apr-08	(F) Official Action - 4 Response/Amendment Due months

				22-Apr-08 PCT Demand Not Filed Due	Chapter II Nat/Reg Filing
xxxxxx.0234	XXXXXX191	22-Jun-07			
xxxxxx.3519	12/019347	22-Apr-08	22-Apr-08 Amendment	Preliminary Amendment	
xxxxxx.0464	08/273329	22-Apr-08	22-Apr-08 Tax11.5	Tax11.5	
xxxxxx.0101	08/302228	22-Apr-08	22-Apr-08 Tax11.5	Tax11.5	
xxxxxx.0633	08/163031	22-Apr-08	22-Apr-08 Tax11.5	Tax11.5	
xxxxxx.0823	11/133554	13-Dec-07	22-Apr-08 Action	US-3 Month Office	Letter to Client Due
xxxxxx.0572	10/929285	23-Jan-08	22-Apr-08 Action	US-3 Month Office	Letter to Client Due
xxxxxx.0126	10/446377	14-Dec-07	22-Apr-08 Action	US-3 Month Office	Letter to Client Due
xxxxxx.0715	11/125732	13-Mar-08	22-Apr-08 US-Election/Restriction	Letter to Client Due	
xxxxxx.3769	XXXXXX350	06-May-08	22-Apr-08 (F) New Application	File Application	
xxxxxx.0159	11/323899	22-Apr-08	22-Apr-08 Due	US-Request for Status	Request for Status Due

xxxxxx.0103	08/302228	22-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.2411	11/540805	03-Apr-08	22-Apr-08 US-Notice of Publication	US-Notice of Letter to Client Due
xxxxxx.0212	XXXXXXX95-1	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0172	XXXXXX780	08-Apr-08	22-Apr-08 ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.0182	XXXXX236	09-Oct-07	22-Apr-08 (F) Official Action - 6 months	(F) Official Action - 6 months
xxxxxx.1033	11/379482	11-Apr-08	22-Apr-08 US-Final Office Action	Letter to Client Due
xxxxxx.0191	XXXXXXX92-7	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0226	XXXXXX390	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.2229	11/541258	22-Apr-08	22-Apr-08 US-Letter to Client Due	Letter to Client Due
xxxxxx.0105	11/876397	22-Oct-07	22-Apr-08 Foreign Filing	6 Mo. Foreign Filing Reminder

xxxxxx.1553	XXXXXXX233	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0739	11/958186	22-Jan-08	22-Apr-08 Parts	Drawings Reminder
xxxxxx.0739	11/958186	22-Jan-08	US-2 Month Missing	Oath/Declaration Reminder
xxxxxx.1604	11/136187	22-Feb-08	22-Apr-08 Parts	US-2 Month Missing
xxxxxx.1795	11/202341	22-Apr-08	US-3 Month Office	1 Month to Due Date
xxxxxx.0153	11/383336	22-Apr-08	22-Apr-08 US-IDS Due	US-RCE (Req. Cont'd)
xxxxxx.0469		22-Apr-08	22-Apr-08 (F) Power of Attorney	RCE (Req. Cont'd Exam)
			Information Disclosure Stmt	File Power of Attorney
xxxxxx.0492	XXXXX388	23-Apr-08	(F) Declaration of Entitlement	Dec. of Entitlement Filed
xxxxxx.2561	XXXXXX40.5	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due

xxxxxx.2701	10/931160	22-Feb-08	22-Apr-08 Action	US-3 Month Office	1 Month to Due Date
xxxxxx.1044	10/333114	22-Apr-08	22-Apr-08 Filed	US-Notice of Appeal	Notice of Appeal Filed
xxxxxx.1044	10/333114	22-Apr-08	22-Apr-08 US-Pre-Appeal Brief	US-3 Month Office	Pre-Appeal Brief Req. Review
xxxxxx.0311	10/892021	22-Oct-07	22-Apr-08 Action	6 Month Final	
xxxxxx.0248	29/228715	14-Aug-07	22-Apr-08 US-Allowance	Issue Fee Follow Up	
xxxxxx.1666	11/876301	22-Oct-07	22-Apr-08 Assignment	Assignment Follow Up	
xxxxxx.1314	10/932229	22-Oct-07	22-Apr-08 Action	US-3 Month Office	Date
xxxxxx.1314	10/932229	22-Oct-07	22-Apr-08 Action	6 Month Final	
xxxxxx.0109	11/311594	22-Jan-08	22-Apr-08 US-Final Office Action	Formal Drawings Final	3 Month Notice of Appeal

				PCT RO/102 & RO/105 22-Apr-08 Follow-Up	PCT Forms RO/102 & RO/105
xxxxxx.3541	XXX/XXX/XX877	22-Apr-08	22-Apr-08		
xxxxxx.0555	10/864061	14-Apr-08	22-Apr-08 Exam)	US-RCE (Req. Cont'd)	Letter to Client Due
xxxxxx.1529	E XXXXXX47.3	23-Jan-08	22-Apr-08 EP-National Validation	National Validation Completed	
xxxxxx.1529	E XXXXXX47.3	23-Jan-08	22-Apr-08 EP-National Validation	Associate Confirmed Validation	
xxxxxx.1529	F XXXXXX47.3	23-Jan-08	22-Apr-08 EP-National Validation	National Validation Completed	
xxxxxx.1529	E XXXXXX47.3	23-Jan-08	22-Apr-08 EP-National Validation	Associate Confirmed Validation	
xxxxxx.1417	10/890568	22-Jan-08	22-Apr-08 EP-National Validation	Comments/Allowance	
xxxxxx.6654	1/10/890316	22-Apr-08	22-Apr-08 US-Allowability		
xxxxxx.3884	XXXX265	23-Apr-08	22-Apr-08 (F) New Application	Pre-Appeal Brief Req. Review	File Application Final

				Date of Oral Proceedings
			US-Assignment	
xxxxxx.1722	XXXXXX40.4	20-Mar-08	22-Apr-08 EP - Rule 71(1) EPC	
xxxxxx.3713	12/105002	22-Apr-08	22-Apr-08 Recorded A	Assignment Recorded A
xxxxxx.3761	XXXXX387	22-Apr-08	22-Apr-08 (F) New Application	Assoc. Confirmed Instructions
xxxxxx.7794	XXX616	17-Mar-07	22-Apr-08 (F) Prior Art Disclosure	Prior Art Disclosure Review
xxxxxx.7116	XXX623	27-Jun-08	22-Apr-08 (F) Prior Art Disclosure	Prior Art Disclosure Review
xxxxxx.6846	XXX614	07-Feb-07	22-Apr-08 (F) Prior Art Disclosure	Prior Art Disclosure Review
xxxxxx.0105	09/550960	22-Apr-08	US-Letters Patent/Soft Copies	Letters Patent/Soft Copies
xxxxxx.0124	XXXXXX938	22-Dec-06	22-Apr-08 Form IB/304	Form IB/304
xxxxxx.0124	XXXXXX938	22-Dec-06	22-Apr-08 PCT Declaration(s)	PCT Declaration(s)

xxxxxx.0124	XXXX/XX938	22-Dec-06	22-Apr-08 Priority Document	Priority Document
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.0202	111/876546	22-Oct-07	22-Apr-08 Assignment	Assignment Follow Up
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 Assignment	Date Assignment
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 Declaration/power of attorney	Declaration/power of attorney
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 attorney	Attorney
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.0923	12/018184	22-Jan-08	22-Apr-08 US-2 Month Missing	US-2 Month Missing
xxxxxx.0127	11/868372	26-Oct-07	22-Apr-08 Parts	Reminder Sent to Client
xxxxxx.0104	11/571493	11-Oct-07	22-Apr-08 Parts	Assignment Filed Follow Up

				Filing Receipt Date	Follow Up Date
xxxxxx.0837	11/860375	24-Sep-07	22-Apr-08	Filing Receipt Rec'd	
xxxxxx.0123	11/469033	22-Jan-08	22-Apr-08	Action	3 Month Due Date
				US-3 Month Office	
xxxxxx.0123	11/469033	22-Jan-08	22-Apr-08	Action	Formal Drawings Due
xxxxxx.1417	10/890568	22-Jan-08	22-Apr-08	US-Allowance	Issue Fee Due
xxxxxx.1417	10/890568	22-Jan-08	22-Apr-08	US-Allowance	Notice/Publ. Fee Due
					National Validation
					Completed
xxxxxx.1529	1529 I XXXXXX47.3	23-Jan-08	22-Apr-08	EP-National Validation	
					Associate Confirmed
					Validation
xxxxxx.1529	1529 I XXXXXX47.3	23-Jan-08	22-Apr-08	EP-National Validation	
xxxxxx.0120	60/981765	22-Oct-07	22-Apr-08	6 Mo. Reminders	6 mo. Foreign Filing Reminder
xxxxxx.0120	60/981765	22-Oct-07	22-Apr-08	6 Mo. Reminders	6 mo. U.S. Filing Reminder

xxxxxx.1529 F	XXXXXX47.3	23-Jan-08	22-Apr-08	EP-National Validation	Associate Confirmed Validation
xxxxxx.1529 F	XXXXXX47.3	23-Jan-08	22-Apr-08	EP-National Validation	National Validation Completed
xxxxxx.1153	11/534818	22-Apr-08	22-Apr-08	US-IDS Filed	IDS Filed
xxxxxx.0194	XXXXXX79.7	23-Apr-08	22-Apr-08	(IF) Annuity Fee Due	Annuity Fee Due
xxxxxx.0172	XXXXXX948	22-Dec-06	22-Apr-08	Form IB/304	Form IB/304
xxxxxx.0172	XXXXXX948	22-Dec-06	22-Apr-08	PCT Declaration(s)	PCT Declaration(s)
xxxxxx.0172	XXXXXX948	22-Dec-06	22-Apr-08	Priority Document	Priority Document
xxxxxx.7823	XXX628	06-Aug-07	22-Apr-08	Prior Art Disclosure Review	Prior Art Disclosure Review
xxxxxx.1012	10/571502	22-Apr-08	22-Apr-08	US-3 Month Office Action	US-3 Month Office Action
xxxxxx.2784	10/611660	22-Feb-08	22-Apr-08	US-3 Month Office Action	US-3 Month Office Action

xxxxxx.0201	10/502991	22-Apr-08	22-Apr-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.1834	12/107531	22-Apr-08	22-Apr-08 US-Application Filed	Letter to Client Due
xxxxxx.1519	10/699305	22-Jan-08	22-Apr-08 US-Allowability	Comments/Allowance
xxxxxx.1235	12/018021	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1235	12/018021	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.1629	12/017916	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.1777	11/046277	22-Apr-08	22-Apr-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.0175	11/469216	22-Apr-08	22-Apr-08 IDS Filed	IDS Filed
xxxxxx.0205	XXXXXX389	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.1238	12/018005	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1238	12/018005	22-Jan-08	22-Apr-08 Information Disclosure Stmt	Information Disclosure Stmt

xxxxxx.0504	11/084504		22-Jan-08	22-Apr-08	US-Allowance	Issue Fee Due
xxxxxx.0504	11/084504		22-Jan-08	22-Apr-08	US-Allowance	Notice/Publ. Fee Due
xxxxxx.0167	11/231519		22-Apr-08	22-Apr-08	US-RCE (Req. Cont'd)	RCE (Req. Cont'd Exam)
xxxxxx.0293	XXX/XXXX/XXX91		22-Apr-08	22-Apr-08	PCT IB/326 (IPRP) Follow-Up	Prelim Report on Patentability
xxxxxx.1394	11/652346		19-Mar-08	22-Apr-08	US-IDS Due	Letter to Client Due
xxxxxx.0124	11/1220111		22-Apr-08	22-Apr-08	US-Final Office Action	Final Rejection
xxxxxx.0546	11/058972		22-Apr-08	22-Apr-08	US-Notice/Non- Compliant Appeal	Non-Compliant Appeal Brief r'd
xxxxxx.1315			29-Apr-07	22-Apr-08	US-Draft Appln/Amdt. to Client	Email to Client re. Status
xxxxxx.0424	XXXXXXX063		03-Feb-08	22-Apr-08	(F) Request Examination	Review Correspondence
xxxxxx.0559	11/124030		22-Apr-08	22-Apr-08	US-Request for Status	Request for Status Due

xxxxxx.3151	12/017707	22-Jan-08	22-Apr-08 Assignment	Assignment
xxxxxx.3151	12/017707	22-Jan-08	22-Apr-08 Declaration/power of attorney	Declaration/power of attorney
xxxxxx.0890	11/680170	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed
xxxxxx.0104	10/672723	22-Apr-08	22-Apr-08 by BB	Maint/Annuity not paid by BB
xxxxxx.1352	11/100479	22-Apr-08	22-Apr-08 US-Allowance	Maint/Annuity not paid by BB
xxxxxx.0976	10/322120	22-Jan-08	22-Apr-08 US-Allowance	Notice of Allowance
xxxxxx.0976	10/322120	22-Jan-08	22-Apr-08 US-Allowance	Notice of Allowance
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Declaration/power of attorney	Declaration/power of attorney
xxxxxx.0109	11/311594	22-Apr-08	22-Apr-08 US-RCE (Req. Cont'd Exam)	RCE (Req. Cont'd Exam)
xxxxxx.1834	11/12/107531	22-Apr-08	22-Apr-08 US-Application Filed	Application Filed
xxxxxx.1190	11/622898	27-Dec-07	22-Apr-08 US-Final Office Action	Letter to Client Due

xxxxxx.0224	11/373259	22-Apr-08	22-Apr-08 US-Allowance	Notice of Allowance
xxxxxx.0105	10/777820	22-Apr-08	22-Apr-08 US-IDS Filed	US-RCE (Req. Cont'd Exam)
xxxxxx.1834	11/21107531	22-Apr-08	22-Apr-08 Recorded A	RCE (Req. Cont'd Exam)
xxxxxx.3055	11/349711	22-Feb-08	22-Apr-08 US-Allowance	Fee Due in 1 Month
xxxxxx.1423	11/862307	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed
xxxxxx.1424	11/862329	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed
xxxxxx.0980	11/263729	13-Feb-08	22-Apr-08 US-Final Office Action	Letter to Client Due
xxxxxx.0725	11/047876	22-Jan-08	22-Apr-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.1212	12/106778	22-Apr-08	22-Apr-08 US-Assignment Filed	Assignment Filed
xxxxxx.2115	11/865209	01-Oct-07	22-Apr-08 Filing Receipt Rec'd	Filing Receipt Follow Up
xxxxxx.0334	10/448169	22-Apr-08	22-Apr-08 Copies	US-Letters Patent/Soft Copies
				Letters Patent/Soft Copies

				Chapter II Nat/Reg Filing	Chapter II Nat/Reg Filing Rem.
xxxxxx.0930	XXX/XXX/XXX49	22-Feb-06	22-Apr-08 Filing		
xxxxxx.1752	1/1/533421	22-Jan-08	22-Apr-08 US-Review Foreign Art	Review Foreign Art (3 months)	
xxxxxx.0202	10/860515	07-Nov-07	22-Apr-08 Action	US-3 Month Office 2 Weeks to Final Date	
xxxxxx.1369	11/235096	22-Dec-06	22-Apr-08 Exam)	US-RCE (Req. Cont'd Appln Status Check/No Term Ext	
xxxxxx.0109	XXXXXXXXXXXX483	22-Apr-08	22-Apr-08 (F) Notice of Allowance	Case Allowed	
xxxxxx.1513	11/217142	22-Apr-08	22-Apr-08 US-Allowance	Notice of Allowance	
xxxxxx.1513	11/217142	22-Apr-08	22-Apr-08 US-Allowability	Notice of Allowability	
xxxxxx.0222	XXX866	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	
xxxxxx.0223	XXXXXX52/2	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	

xxxxxx.0226	XXXXXX390	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0191	XXXXXXX92-7	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0192	XXXX142	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0194	XXXXXXX79.7	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0201	XXX988	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0202	XXXXXXX15-2	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.3555	121062263	22-Apr-08	22-Apr-08 EARS Recorded A	EARS Next Annuity Due
xxxxxx.3663	12104781	22-Apr-08	22-Apr-08 Recorded A	Assignment Recorded A

xxxxxx.0114	11/130884	22-Apr-08	22-Apr-08 Action/No Ext	US-1 Mo. Office	1 Month Action Mailed
xxxxxx.0205	XXXX/XX389	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	
xxxxxx.0464	08/273329	22-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	
xxxxxx.1649	11/12/100909	22-Apr-08	US-2 Month Missing	2 Month Missing Parts	
xxxxxx.0329	11/428987	20-Jul-07	22-Apr-08 US-Allowance	Issue Fee Follow Up	
xxxxxx.0492	08/847417	22-May-08	22-Apr-08 Maintenance/Annuity Reminder	Maintenance/Annuity (Rem. 2)	
xxxxxx.0103	08/302228	22-Oct-96	22-Apr-08 Tax 11.5	Tax 11.5	
xxxxxx.1846	11/114675	22-Apr-08	22-Apr-08 US-Issue Notification	Issue Notification	
xxxxxx.1986	11/676860	22-Mar-07	22-Apr-08 Parts	US-2 Month Missing Up	Assignment Filed Follow
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Assignment	Assignment	
xxxxxx.0105	09/550960	22-Apr-08	22-Apr-08 US-Verify Con/Div Filed	Verify Con/Div Filed	

xxxxxx.0202	XXXXXXX15-2	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Renewal Fee Due
xxxxxx.0719	10/266819	22-Feb-08	22-Apr-08 Action	US-3 Month Office 1 Month to Due Date
xxxxxx.0213	XXXXX957	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0215	XXXXXX81.3	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.1397	11/747002	22-Apr-08	22-Apr-08 US-IDS Filed	IDS Filed
xxxxxx.2719	11/435347	22-Apr-08	22-Apr-08 Action	US-3 Month Office Rejection Mailed
xxxxxx.1406	11/985154	22-Apr-08	22-Apr-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.1637	10/876428	08-Apr-08	22-Apr-08 US-Issue Notification	Letter to Client Due
xxxxxx.2115	11/865209	22-Oct-07	22-Apr-08 Parts	US-2 Month Missing Drawings 4th Reminder
xxxxxx.2646	XXXX-XXX062	22-Oct-08	22-Apr-08 (F) Official Action	Official Action Issued
xxxxxx.0142	XXXXXX33.5	22-Nov-07	22-Apr-08 Communication	EP-Rule 17(3) Correct Inventor(s) Address

xxxxxx.0124	XX/XXX040	22-Apr-08	22-Apr-08 US-Application Filed	Application Filed
xxxxxx.0139	1/1/251137	22-Apr-08	22-Apr-08 US-Final Office Action	Final Rejection
xxxxxx.0406	60/939519	22-May-07	22-Apr-08 Foreign Filing - Atty.	Foreign Filing Due - Atty.
xxxxxx.0115	08/410325	22-Oct-96	22-Apr-08 Tax 11.5	Tax 11.5
xxxxxx.0385	XXX/XXX/XXX01	23-Jan-08	ISR/Written Opinion 22-Apr-08 Received	Argument/Art. 34 Amend Final
xxxxxx.0385	XXX/XXX/XXX01	23-Jan-08	ISR/Written Opinion 22-Apr-08 Received	Demand for Examination Final
xxxxxx.0427	11/677981	22-Feb-07	Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)
xxxxxx.2488	XXXXXXX396	23-Apr-08	22-Apr-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.1963	1/1/315847	22-Feb-08	US-3 Month Office 22-Apr-08 Action	1 Month to Due Date
xxxxxx.2198	XXXXXXX367	22-May-08	PCT IB/326 (IPRP) 22-May-08 Follow-Up	Prelim Report on Patentability

xxxxxx.0140	XXXX/XXXX/XXX56	22-Dec-05	22-May-08 Filing	Chapter II Nat/Reg
xxxxxx.0105	XXXXXX970	22-Jul-05	22-May-08 Examination - 3 YR	Request for Exam (Rem 3)
xxxxxx.0108	XXXXXXX29-2	22-Jul-05	22-May-08 Examination - 3 YR	(F) Request Request for Exam (Rem 3)
xxxxxx.0112	XXXXXXX224	22-Jul-05	22-May-08 Examination - 3 YR	(F) Request Request for Exam (Rem 3)
xxxxxx.0449	XXX/XXXX/XX4	22-Mar-08	22-May-08 PCT Form RO/107	File Drawings Final
xxxxxx.1103	XXX/XX459	22-May-08	PCT Form IB/311 Follow-up	PCT Form IB/311 Follow-up
xxxxxx.0217	XXXXXX13.3	23-May-08	22-May-08 EP - Rule 71(1) EPC	File Response/Amendment Final
xxxxxx.0708		22-May-08	US-RCE (Req. Cont'd Exam)	US-RCE (Req. Cont'd Exam)
		22-May-08	RCE (Req. Cont'd Exam)	RCE (Req. Cont'd Exam)

				US-Request for Status	
xxxxxx.0101	11/550093	13-May-09	22-May-08 Due	Letter to Client Due	
xxxxxx.1339	11/757618	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date
xxxxxx.1339	11/757618	22-Feb-08	22-May-08 Action	US-3 Month Office	Check IDS Refs.
xxxxxx.1649	11/748771	22-Feb-08	22-May-08 US-Allowance	Issue Fee Due	
xxxxxx.1649	11/748771	22-Feb-08	22-May-08 US-Allowance	Notice/Publ. Fee Due	
xxxxxx.0113	11/562750	22-May-08	22-May-08 Publication	US-Notice of	
xxxxxx.3043	XXXXXX49.7	22-Apr-08	22-May-08 EP - Rule 70(2) - 2 Mo.	Notice of Publication Rec'd	Proceed with EP App. Due
xxxxxx.0135	XXXX038	14-Apr-08	22-May-08 (F) Notice of Allowance	Transmittal to Client/Not Sent	
xxxxxx.0113	11/562750	22-Nov-06	22-May-08 Stmt	Information Dis Follow Up	Date
xxxxxx.0106	11/068144	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date

xxxxxx.1815	12/017521	22-Jan-08	22-May-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.2150	10/269694	24-Sep-07	22-May-08 Action	US-3 Month Office Check
xxxxxx.0963	XXX259	23-May-05	22-May-08 Statement of Working	US-4 Mo. Response Status
xxxxxx.1829	12/017582	22-Jan-08	22-May-08 Priority Claim on Spec.	Working Due Final
xxxxxx.0210	10/928985	25-Sep-07	22-May-08 Action	Priority Claim on Spec.
xxxxxx.1132	11/499446	15-Feb-08	22-May-08 Action	US-3 Month Office
xxxxxx.1749	XXX/XX614	22-Jan-07	22-May-08 Form IB/304	Letter to Client Due
xxxxxx.1749	XXX/XX614	22-Jan-07	22-May-08 Priority Document	Form IB/304
xxxxxx.0666	29/263524	25-Jul-06	22-May-08 Stmtnt	Priority Document
xxxxxx.3151	12/017707	22-Jan-08	22-May-08 Priority Claim on Spec.	Information Disclosure
				Information Dis Follow Up
				Date
				Priority Claim on Spec.

			US-Assignment	Assignment Recorded A
xxxxxx.3632	12/040144	22-May-08	22-May-08 Recorded A	Assignment Recorded A
xxxxxx.1334	XXXX004	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0142	XXXXXX33.5	22-Nov-07	EP-Rule 17(3) Communication	Correct Inventor(s) Address
xxxxxx.0143	09/212105	25-May-04	22-May-08 IMPORTANT	past due, 3.5 MF
xxxxxx.0115	10/122759	22-Nov-06	22-May-08 US-IDS Filed	Information Dis Follow Up Date
xxxxxx.0138	XXX/XXX/XXX55	22-Dec-05	22-May-08 Filing	Chapter II Nat/Reg Filing
xxxxxx.2221	XXX/XXX/XXX55	22-Dec-05	22-May-08 Filing	Chapter II Nat/Reg Filing
xxxxxx.0597	11/046043	22-May-08	22-May-08 US-Examiner's Answer	Examiner's Answer
			US-Decision/No Foreign Decision/No Foreign Filing	
xxxxxx.2483	11/755253	22-May-08	22-May-08 Filing	
xxxxxx.0102	09/564941	25-May-04	22-May-08 IMPORTANT	past due, 3.5 MF
xxxxxx.0140	XXX/XXX/XXX55	22-Dec-05	22-May-08 Filing	Chapter II Nat/Reg Filing

US-Extension of Time				Extension of Time Filed
xxxxxx.1428	11/381687	22-May-08	22-May-08 Filed	
xxxxxx.0977	11/153978	22-Feb-08	22-May-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.3366	601945726	22-Jun-07	22-May-08 Foreign Filing	Foreign Filing Due - LA
xxxxxx.3366	601945726	22-Jun-07	22-May-08 Foreign Filing - Atty.	Foreign Filing Due - Atty
xxxxxx.3366	60/945726	22-Jun-07	22-May-08 U.S. Filing Due	U.S. Filing Due
xxxxxx.1145	09/423409	25-May-04	22-May-08 IMPORTANT	past due, 3.5 MF
xxxxxx.0237	XXXXXX186	22-May-07	22-May-08 (F) Status Check	Status Review of File
xxxxxx.0195	10/444693	22-May-08	US-Notice/Non-Compliant Appeal	Non-Compliant Appeal Brief r'd
xxxxxx.1364	11/199139	22-Feb-08	22-May-08 Action	US-3 Month Office Formal Drawings Due
xxxxxx.0695	12/109432	22-May-08	22-May-08 US-Application Filed	Application Filed

xxxxxx.2784	10/611660	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date
xxxxxx.0163	10/399243	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date
xxxxxx.0390	XXXXXX61.1	23-Jan-08	22-May-08 months	(F) Official Action - 4	Response/Amendment - Ext Filed
xxxxxx.0102	11/313873	22-May-08	22-May-08 Patent	US-Proofread Issued	Proofread Issued Patent
xxxxxx.0103	10/937938	22-Feb-08	22-May-08 US-Allowance	Notice/Publ. Fee Due	Issue Fee Due
xxxxxx.0103	10/937938	22-Feb-08	22-May-08 US-Allowance	Notice/Publ. Fee Due	Issue Fee Due
xxxxxx.1352	11/100479	07-Dec-07	22-May-08 US-Final Office Action	2 Weeks to Final Date	
xxxxxx.0503	XXX/XXX/XXX76	08-May-08	22-May-08 PCT Form RO/106	Correct Defects in Request Due	
xxxxxx.0107	11/050190	23-Aug-07	22-May-08 Action	US-4 Mo. Response Status Check	
xxxxxx.1609	11/2/018036	22-Jan-08	22-May-08 Priority Claim on Spec.	Priority Claim on Spec.	

			Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)
xxxxxx.0221	11/689931	22-Mar-07	22-May-08 (Mo.)	
xxxxxx.0692		22-May-08	22-May-08 US-File Application	File Application
xxxxxx.0372	XXXX398	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.3541	XXXXXX79-3	15-Nov-08	22-May-08 (F) New Application	Formal Documents to client
xxxxxx.0103	11/056524	22-Feb-08	22-May-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.0693	12/109414	22-May-08	22-May-08 US-Application Filed	Application Filed
xxxxxx.0643	12/035612	22-Feb-08	22-May-08 Assignment	Assignment
xxxxxx.0643	12/035612	22-Feb-08	22-May-08 attorney	Declaration/power of attorney
xxxxxx.0643	12/035612	22-Feb-08	22-May-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0643	12/035612	22-Feb-08	Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.0643	12/035612	22-Feb-08	22-May-08 Stmt	

xxxxxx.2689	11/042922	22-Feb-08	22-May-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.3055	11/349711	22-Feb-08	22-May-08 US-Allowance	Issue Fee Due
xxxxxx.3055	11/349711	22-Feb-08	22-May-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.2581	12/035637	22-Feb-08	22-May-08 Assignment	Assignment
xxxxxx.2581	12/035637	22-Feb-08	22-May-08 attorney	Declaration/power of attorney
xxxxxx.2581	12/035637	22-Feb-08	22-May-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.2581	12/035637	22-Feb-08	22-May-08 Formal Drawings Due	Information Disclosure Stmt
xxxxxx.2581	12/035637	22-Feb-08	22-May-08 Formal Drawings Due	Information Disclosure Stmt
xxxxxx.0102	10/834324	19-Oct-07	22-May-08 Action	US-3 Month Office
xxxxxx.0101	11/272379	22-May-08	22-May-08 filed	US-Power of Attorney
xxxxxx.0172	11/933865	22-May-08	22-May-08 Publication	Power of Attorney filed US-Notice of Publication Rec'd

xxxxxx.0964	XXXXXXX/XXX3	22-Apr-08	22-May-08 Amendment	PCT Article 19 Article 19 Amendment Due
xxxxxx.7177	10/849318	22-Feb-08	22-May-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.6654	1 10/890316	22-Feb-08	22-May-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.1088	XXXXXX089	22-May-08	22-May-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.0949	12/027427	22-Feb-08	22-May-08 US-2 Mo Correct.	PCT Form IB/311 Follow-up
xxxxxx.1493	XX526	23-May-08	22-May-08 (F) Annuity Fee Due	PCT Form IB/311 Follow-up
xxxxxx.0112	1/1083379	22-Feb-08	22-May-08 Action	1st Extension
xxxxxx.1428	11/381687	22-May-08	22-May-08 US-3 Month Office	3 Month Due Date
xxxxxx.0168	10/595153	22-Feb-08	22-May-08 US-3 Month Office	Amendment Filed
xxxxxx.0719	10/266819	22-Feb-08	22-May-08 Action	3 Month Due Date

xxxxxx.0417	11/1536681	22-Feb-08	22-May-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.0417	11/1536681	22-Feb-08	22-May-08 US-Final Office Action	Formal Drawings Due
xxxxxx.0212	09/624047	22-May-08	US-Notice of Abandonment	Notice of Abandonment
xxxxxx.3483	XXX/XXX/XX698	22-Dec-06	ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.2359	11/682817	22-May-08	US-IDS Filed	IDS Filed
xxxxxx.6306	11/134070	22-May-08	22-May-08 US-Advisory Action	Advisory Action
xxxxxx.0101	11/2/140349	22-Jun-08	22-May-08 US-File Application	Draft Due to Client
xxxxxx.3332	60/942610	07-Jun-07	22-May-08 Foreign Filing	Foreign Filing Due - LA
xxxxxx.0157	XXXXXX865	01-May-08	(F) Request 22-May-08 Examination	Confirmation of Filing Request
xxxxxx.1760	11/031581	22-May-08	22-May-08 Summary	US-Examiners Interview Notice/Interview Summ. Rec'd

xxxxxx.2692	11/369792	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date
xxxxxx.0228	11/290046	22-May-08	22-May-08 Due	US-Request for Status	Request for Status Due
xxxxxx.0106	11/864104	22-May-08	22-May-08 Reply	US-Notice/Incomplete	Notice/Incomplete Reply Rec'd
xxxxxx.1783	11/012962	22-May-08	22-May-08 US-Advisory Action	Advisory Action	
xxxxxx.2195	10/352343	22-May-08	22-May-08 US-Allowance	Notice of Allowance	
xxxxxx.1288	10/766934	22-May-08	22-May-08 US-Final Office Action	Final Rejection	
xxxxxx.3495	XXXXX125	23-May-08	22-May-08 EXT)	(F) Official Action (NON-Ext)	Response/Amend (Non-Final)
xxxxxx.0260	XXXXX-XXX855	03-Dec-07	22-May-08 (F) New Application	Formal Documents to Client	
xxxxxx.0412	10/145622	22-May-08	22-May-08 Exam)	US-RCE (Req. Cont'd)	RCE (Req. Cont'd Exam)
xxxxxx.0168	XXXXX/XX815	06-May-08	22-May-08 PCT Form ISA/206	Transmittal to Client	

xxxxxx.0171	XXXXXXX003	06-Jun-08	22-May-08 (F) Notice of Allowance	Case Allowed
xxxxxx.0739	11/958186	22-Jan-08	22-May-08 Parts	US-2 Month Missing Drawings 2nd Reminder
xxxxxx.0739	11/958186	22-Jan-08	22-May-08 Parts	US-2 Month Missing Oath/Declaration 2nd Reminder
xxxxxx.1604	11/1136187	22-Feb-08	22-May-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.1474	11/089743	22-Feb-08	22-May-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.0556	XXXXXXX13.3	23-May-06	22-May-08 Annuity Fee Due	Annuity Fee Due
xxxxxx.0223	11/689939	22-Mar-07	22-May-08 (Mo.)	Appln Status Check (14 Mo.)
xxxxxx.2115	11/865209	22-Oct-07	22-May-08 Parts	US-2 Month Missing Drawings Final Date
xxxxxx.3091	11/385455	07-Dec-07	22-May-08	US-Final Office Action 2 Weeks to Final Date
xxxxxx.1010	11/533039	22-Feb-08	22-May-08 US-Review Foreign Art	Review Foreign Art (3 months)

xxxxxx.0221	XXXXXX185	22-May-08	22-May-08 (F) Status Check	Status Review of File
xxxxxx.1364	11/199139	22-Feb-08	22-May-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.8337	XXXXXX64.6	06-May-08	22-May-08 EP - Rule 70(2) - 2 Mo.	Transmittal to Client
xxxxxx.7156	XXXXXX73.9	18-Apr-08	(F) Official Action - 4	Transmittal to Client
xxxxxx.8665	XXXXXX04.7	16-Apr-08	22-May-08 months	(F) Official Action - 4
xxxxxx.1500		12-Apr-08	22-May-08 Client	US-Draft Appln/Amtd to Letter Sent to Inventors
xxxxxx.0109	11/311594	22-Jan-08	22-May-08 US-Final Office Action	Transmittal to Client 1st Extension
xxxxxx.0713	11/687158	22-May-08	22-May-08 US-Election/Restriction	Election/Restriction Mailed
xxxxxx.0429	XXXXXX/XXX847	22-May-08	22-May-08 Received	ISR/Written Opinion Received
xxxxxx.0104	11/1852364	22-May-08	22-May-08 US-IDS Filed	IDS Filed
xxxxxx.0111	11/758885	22-May-08	22-May-08 US-IDS Filed	IDS Filed

			Information Disclosure Date	Information Dis Follow Up Date
xxxxxx.0688	1.11/531125	12-Sep-06	22-May-08 Stmt	
xxxxxx.2701	10/931160	22-Feb-08	22-May-08 Action	US-3 Month Office
xxxxxx.2701	10/931160	22-Feb-08	22-May-08 Action	US-3 Month Office
xxxxxx.1888	2.12/017752	22-Jan-08	22-May-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1298	1.11/037803	22-May-08	22-May-08 US-Amendment	Amendment Due
xxxxxx.0142	11/914431	22-May-08	US-Req.Correct.Filing Receipt	Req.Correct.Filing Receipt
xxxxxx.1754	1.11/776636	22-Feb-08	22-May-08 US-Review Foreign Art	Review Foreign Art (3 months)
xxxxxx.1410		03-Nov-07	US-Draft Appln/Amdt.to Client	PUSH
xxxxxx.0293	XXXXXXX593	22-May-08	22-May-08 (F) Notice of Allowance	Case Allowed

				PCT IB/326 (IPRP)	Prelim Report on
				22-May-08 Follow-Up	Patentability
xxxxxx.1153	XXXXXX/X177	01-Jun-08	22-May-08	12-Jun-08	22-May-08 (F) Grant/Issue Fees
xxxxxx.2668	XXXXXX/X004				Transmittal to Client
xxxxxx.0103	10/766247	22-Nov-06	22-May-08 US-IDS Filed	Information Dis Follow Up	
xxxxxx.0101	11/272379	23-Nov-07	22-May-08 Action	Letter Sent to Client	Date
xxxxxx.1308	12/115194	22-May-08	US-3 Month Office		
xxxxxx.1849	601936925	22-May-08	22-May-08 Parts	2 Month Missing Parts	
xxxxxx.1849	601936925	22-Jun-07	22-May-08 Foreign Filing	Foreign Filing Due - LA	
xxxxxx.1849	601936925	22-Jun-07	22-May-08 Foreign Filing - Atty.	Foreign Filing Due - Atty	
xxxxxx.2280	10/333030	22-May-08	22-May-08 U.S. Filing Due	U.S. Filing Due	
xxxxxx.1520	09/830899	22-May-08	22-May-08 Denied	Decision on Appeal Denied	

xxxxxx.2360	11/682735	22-May-08	22-May-08 US-IDS Filed	IDS Filed
xxxxxx.2115	11/865209	22-Oct-07	22-May-08 Parts	Oath/Declaration Final Date
xxxxxx.0114	11/130884	22-May-08	22-May-08 Status	US-Notif.Change Entity
xxxxxx.0118	12/123619	22-May-08	22-May-08 Status	Notif. Change Entity Status
xxxxxx.0105	10/9/592486	22-May-08	22-May-08 Due/Filed	US-Notif.Change Entity
xxxxxx.0877	11/972824	22-May-08	22-May-08 Due/Filed	Notif. Change Entity Status
xxxxxx.2071	11/473955	22-May-08	22-May-08 US-Allowability	US-Notice of Publication
xxxxxx.0648	09/799861	22-May-08	22-May-08 Action	Notice of Publication Rec'd
xxxxxx.1518	11/689947	22-Mar-07	22-May-08 Mo.)	US-1 Month Office
			Appln Status Check (14 Mo.)	1 Month Action Mailed

xxxxxx.1126	XXXXX447	01-Jun-07	22-May-08 (F) Status Check	Letter to Client Due
xxxxxx.2071	11473955	22-May-08	22-May-08 US-Allowance	Notice of Allowance
xxxxxx.0233	XXXXXXX346	22-May-08	ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.0124	XXXXXXX938	22-Dec-06	22-May-08 Received	ISR/Written Opinion Received
xxxxxx.0482	XXXXXXX38.5	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0481	XXXXXX39.8	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0923	12/018184	22-Jan-08	22-May-08 Priority Claim on Spec	Priority Claim on Spec
xxxxxx.0750	11746632	09-May-07	22-May-08 Notice of Publication	Notice of Publi Follow Up Date
xxxxxx.0347	10072408	22-Jan-08	22-May-08 US-RCE (Req. Cont'd Exam)	Appn Status Check/No Term Ext
xxxxxx.2637	XXXXXXX02-9	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due

xxxxxx.0311	10/892021	22-Oct-07	22-May-08 Action	US-3 Month Office Check	US-4 Mo. Response Status Check
xxxxxx.0703	11/690578	23-Mar-07	22-May-08 Notice of Publication	Notice of Publi Follow Up	Date
xxxxxx.1320	XXXXX508	23-May-03	(F) Request 22-May-08 Examination - 5 YR	Request for Exam Final	
xxxxxx.3629	XXXXXXX36-7	07-Feb-08	22-May-08 (F) New Application	Formal Documents to Client	
xxxxxx.1321	11XXXXXX14.3	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due	
xxxxxx.0230	XXXXXX40.4	23-Nov-07	EP-(New) Rule 51(4)	Review Correspondence	
xxxxxx.1321	8XXXXXX14.3	23-May-08	22-May-08 Comm.	Annuity Fee Due	
xxxxxx.1318	XXXXXXX674	23-May-03	22-May-08 (F) Annuity Fee Due	Annuity Fee Due	
xxxxxx.1885	XXXXXX/XX237	07-May-08	ISR/Written Opinion	Copy to US Counsel	
xxxxxx.1321	6 XXXXXX14.3	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due	

		Application Status		Application Status Check
xxxxxx.0105	10/574122	22-Nov-06	22-May-08 Check	
xxxxxx.0487	601957271	22-Aug-07	22-May-08 9 Mo. Reminders	9 mo. Foreign Filing Reminder
xxxxxx.0487	601957271	22-Aug-07	22-May-08 9 Mo. Reminders	9 mo. U.S. Filing Reminder
xxxxxx.0487	601957271	22-Aug-07	22-May-08 Foreign Filing	9 Mo. Foreign Filing Rem/Atty
xxxxxx.0110	11/562456	22-Nov-06	22-May-08 Stmt	Information Disclosure Date
xxxxxx.6600	09/721806	22-Apr-08	22-May-08 US-Review Foreign Art	Review Foreign Art (30 days)
xxxxxx.1354	XXXXXXXXXX454	23-Apr-08	22-May-08 (F) Official Action Filed (EXT)	Response/Amendment Filed (EXT)
xxxxxx.0139	XXXXXXX012	01-May-08	22-May-08 (F) Response	Review Correspondence
xxxxxx.0694	12/109455	22-May-08	22-May-08 US-Application Filed	Application Filed
xxxxxx.0783	11/562722	22-Nov-06	22-May-08 Notice of Publication	Notice of Publication

		Information Dis Follow Up	
		Information Dis Follow Up Date	Information Dis Follow Up
xxxxxx.0258	11/1284540	22-Nov-05	22-May-08 US-IDS Filed
xxxxxx.0461	10/792541	22-Nov-06	22-May-08 US-IDS Filed
xxxxxx.0572	11/562758	22-Nov-06	22-May-08 Notice of Publication
xxxxxx.0190	11/1726552	22-Mar-07	22-May-08 Notice of Publication
xxxxxx.3325	11/767461	22-Jun-07	22-May-08 Foreign Filing
xxxxxx.3325	11/767461	22-Jun-08	22-May-08 Foreign Filing-Attorney
xxxxxx.0556	XXXXXX13.3	23-May-08	22-May-08 EARS Annuity Due
xxxxxx.0494	10/805825	22-May-08	US-3 Month Office
xxxxxx.6590	11/132633	22-May-08	US-3 Month Office
xxxxxx.0783	11/562722	22-May-08	Rejection Mailed
xxxxxx.0783	11/562722	22-May-08	Notice of Allowability

xxxxxx.0783	1/15/2008	22-May-08	22-May-08 US-Allowance	Notice of Allowance
xxxxxx.0943	1/13/2008	22-May-08	22-May-08 Action	Rejection Mailed
xxxxxx.0486	10/9/2007	22-May-08	22-May-08 US-Allowance	Notice of Allowance
xxxxxx.0461	10/7/2007	21-Aug-07	22-May-08 Action	US-4 Mo. Response Status Check
xxxxxx.0253	11/0/2007	22-Jan-08	22-May-08 Exam)	US-RCE (Req. Cont'd)
xxxxxx.1629	11/2/2007	22-Jan-08	22-May-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.0546	11/0/2007	22-Apr-08	22-May-08 US-File Application	US-Notice/Non-Compliant Appeal
xxxxxx.1514	12/1/2007	10-May-08	22-May-08 US-File Application	Res. Non-Comp Appeal Brief due
xxxxxx.0109	XXXXXX397	05-Jun-08	22-May-08 (F) Official Action	Letter to Client Due Response/Amendment Due
xxxxxx.0691	12/2/2007	22-May-08	22-May-08 US-Application Filed	Application Filed

xxxxxx.1352	11/100479	22-Apr-08	22-May-08 US-Allowance	Fee Due in 2 Months
xxxxxx.0224	11/373259	22-Apr-08	22-May-08 US-Allowance	Fee Due in 2 Months
xxxxxx.0111	11/047972	22-May-08	22-May-08 Filed	Terminal Disclaimer Filed
xxxxxx.0220	11/108190	22-Jan-08	22-May-08 US-Final Office Action	1st Extension
xxxxxx.0119	11/1142858	25-Jul-07	22-May-08 US-3 Month Office Action	US-4 Mo. Response Status Check
xxxxxx.2115	11/865209	22-Oct-07	22-May-08 US-2 Month Missing	Filing Fees Final Date
xxxxxx.0105	10777820	22-Apr-08	22-May-08 P Parts	US-RCE (Req. Cont'd)
xxxxxx.0114	11/130884	22-Apr-08	22-May-08 Exam)	Appn Status Check/No Term Ext
xxxxxx.1155	11/537226	22-Nov-06	US-1 Mo. Office	1 Month Due Date
xxxxxx.0262	12/048136	22-May-08	22-May-08 Action/No Ext	Information Dis Follow Up Date
			22-May-08 US-IDS Filed	Verified Statement

EXHIBIT 6

xxxxxx.0112	11/539464	22-Jan-08	22-May-08 Action	US-3 Month Office	1st Extension
xxxxxx.0566	11/562659	22-Nov-06	22-May-08 Stmt	Information Disclosure	Information Dis Follow Up Date
xxxxxx.0566	11/562659	22-Nov-06	22-May-08 Notice of Publication	Notice of Publication	
xxxxxx.0102	11/316049	22-Feb-08	22-May-08 US-Allowance	Issue Fee Due	
xxxxxx.0572	11/562758	22-Nov-06	22-May-08 US-Allowance	Information Disclosure	
xxxxxx.1675	XXXXXX197	23-Jan-08	22-May-08 months	Information Dis Follow Up Date	
xxxxxx.0102	11/2140353	22-Jun-08	22-May-08 US-File Application	(F) Official Action - 4	Response/Amendment - Ext Filed
xxxxxx.0766	110/393942	22-Nov-06	22-May-08 US-IDS Filed	Draft Due to Client	Information Dis Follow Up Date
xxxxxx.0838	XXX228	08-May-08	22-May-08 (F) Review US Art.	(F) Review US Art.	
xxxxxx.2597	XXXXXX61.3	22-Apr-08	22-May-08 Communication	Correct Inventor(s) Address	

EXHIBIT 6

xxxxxx.0555	xxxxxx10.9	23-May-06	22-May-08 Annuity Fee Due	Annuity Fee Due
xxxxxx.0385	10/728295	16-Nov-07	22-May-08 Action	US-3 Month Office
xxxxxx.0555	11/1554828	31-Oct-06	22-May-08 Submit	Information Disclosure Date
xxxxxx.0630	11/122351	07-Dec-07	22-May-08 Action	Information Dis Follow Up
xxxxxx.0115	xxxxxx695	22-May-08	22-May-08 PCT Form IB/371	Letter to Client Due
xxxxxx.0181	xxxxxx08.9	22-Aug-07	22-May-08 EP-Opposition Period	2 Weeks to Final Date
xxxxxx.0113	10/683763	22-Nov-06	22-May-08 US-IDS Filed	US-3 Month Office
xxxxxx.1311	12/115213	22-May-08	US-2 Month Missing	Notice Relating to Declaration
xxxxxx.3043	10/126108	22-Dec-07	22-May-08 Parts	Opposition Period Expired
			US-Maintenance Tax (6 - Yr Tax Due (5 Mo. Grace))	Information Dis Follow Up Date

xxxxxx.1963	11/315847	22-Feb-08	22-May-08 Action	US-3 Month Office	3 Month Due Date
xxxxxx.0413	10/856408	22-May-08	22-May-08 US-Allowance	Notice of Allowance	
xxxxxx.0203	11/152860	22-May-08	22-May-08 Abandonment	US-Notice of Abandonment	Notice of Abandonment
xxxxxx.1228	XXXXX681	22-Aug-07	22-May-08 (F) Status Check	Follow-up Status Check	
xxxxxx.2735	XXXXXXXXXX83	05-Sep-08	22-May-08 (F) Official Action	Copy to US Counsel	
xxxxxx.0368	XXXXXX590	17-Apr-08	22-May-08 Follow-Up	PCT Form ISA/202	PCT Form ISA/202
xxxxxx.0569	11/102062	22-May-08	22-May-08 Action	US-3 Month Office	Rejection Mailed
xxxxxx.1277	10/831408	22-May-08	22-May-08 Exam)	US-RCE (Req. Cont'd Exam)	RCE (Req. Cont'd Exam)
xxxxxx.2016	XXXX-XXXX887	22-May-08	22-May-08 Divisional Application	File Divisional Application	
xxxxxx.0165	XXXXXX/XXX630	22-May-08	22-May-08 (F) Transmittal to Client	Transmittal to Client	

				US-3 Month Office	3 Month Due Date
xxxxxx.0132	11/142939	22-Feb-08	22-May-08	Action	
xxxxxx.3631	12/040206	22-May-08	22-May-08	US-Assignment Recorded A	Assignment Recorded A
xxxxxx.0672	11/677908	22-Feb-07	22-May-08	Notice of Publication	Notice of Publi Follow Up
xxxxxx.1758	XXXXXXX531	01-Mar-08	22-May-08	(TW) Laid Open	Transmittal to Client
xxxxxx.1885	XXXXXXXXXX237	07-May-08	22-May-08	ISR/Written Opinion Received	Transmittal to Client
xxxxxx.0102	11/316049	22-Feb-08	22-May-08	US-Allowance	Notice/Publ. Fee Due
xxxxxx.2692	11/369792	22-May-08	22-May-08	US-IDS Filed	IDS Filed
xxxxxx.2823	XXXXXXXXXXX34.0	16-Jun-08	22-May-08	(F) Official Action	Transmittal to US Counsel
xxxxxx.0335	12/116488	22-May-08	22-May-08	US-2 Month Missing Parts	2 Month Missing Parts
xxxxxx.0481	XXXXXXX39.8	23-May-08	22-May-08	(F) Annuity Fee Due	Annuity Fee Due

xxxxxx.0482	xxxxxx/X38.5	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0114	xxxxxx/X007	22-Jul-05	22-May-08 (F) Request	Request for Exam (Rem 2)
xxxxxx.1404	10/923172	13-Feb-08	22-May-08 US-3 Month Office Action	Letter Sent to Inventors
xxxxxx.1284	12/157774	16-Mar-07	22-May-08 US-Draft Appln/Amdt.to Client	Final Draft Sent to Client
xxxxxx.1348	xxxxxx/X206	08-Aug-08	22-May-08 (F) Grant/Issue Fees	Transmittal to Client
xxxxxx.0258	XXXX/XX275	08-May-08	22-May-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.2459	xxxxxxxxXX004	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0390	xxxxxx/X09.9	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0111	xxxxxx/XXXXXX/XC	22-Jul-05	22-May-08 (F) Request	Request for Exam (Rem 3)

xxxxxx.0105	11/11/211071	07-Dec-07	22-May-08	US-Final Office Action	2 Weeks to Final Date
xxxxxx.2115	11/865209	22-Oct-07	22-May-08	US-2 Month Missing Parts	Assignment Final Date
xxxxxx.0135	10/495406	22-May-08	22-May-08	US-Notice of Abandonment	Notice of Abandonment
xxxxxx.0609	11/615193	22-Dec-06	22-Jun-08	Information Disclosure Stmt	Information Dis Follow Up
xxxxxx.0132	11/142939	22-Feb-08	22-Jun-08	Action	1st Extension
xxxxxx.0648	09/799861	22-May-08	22-Jun-08	Action	US-1 Month Office
xxxxxx.2570	XXX710	22-Jun-08	22-Jun-08	(F) Letters Patent	Resp/Non-Comp. Amend.
xxxxxx.1092	11/615180	22-Jun-08	22-Jun-08	US-Notice of Publication	Letters Patent Issued
xxxxxx.0611	11/615696	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication Rec'd

				Information Disclosure	Information Dis Follow Up
				Notice of Publication	Date
xxxxxx.0611	11/615696	22-Dec-06	22-Jun-08	Stmnt	
xxxxxx.0607	11/615106	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication
xxxxxx.0923	12/018184	22-Jan-08	22-Jun-08	Filing Receipt Recd	Filing Receipt Recd
xxxxxx.7627	11/070787	22-Jun-08	22-Jun-08	US-Request for Status	Request for Status Due
xxxxxx.0184	XXX/XXX/XXX95	22-May-08	22-Jun-08	PCT Article 19	Article 19 Amendment Due
xxxxxx.0224	XXX/XX122	22-Apr-08	22-Jun-08	Forms RO/102 & RO/105	Forms RO/102 & RO/105
xxxxxx.0131	XXX/XX509	22-Nov-06	22-Jun-08	Publication with Form IB/311	Publication with Form IB/311
xxxxxx.1518	11/615247	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication
xxxxxx.2150	XXXXXX65-6	23-Jun-08	22-Jun-08	(F) Grant/Issue Fees	Pay Grant/Issue Fees Final
xxxxxx.3325	11/767461	22-Jun-07	22-Jun-08	Foreign Filing	Foreign Filing Due

xxxxxx.3325	11/767461	22-Jun-07	22-Jun-08 Foreign Filing	Rescind No Foreign Filing
xxxxxx.3121	XXXXXXX74	07-Dec-05	22-Jun-08 month	PCT Chapter II - 31
xxxxxx.1960	XXXXXX387	22-Jun-08	22-Jun-08 (F) Filing Receipt	US Non-Prov Filing Receipt
xxxxxx.1012	10/571502	22-Apr-08	22-Jun-08 Action	US-3 Month Office 1 Month to Due Date
xxxxxx.1235	12/018021	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.0335	XXXXXXX052	23-Jun-05	(F) Request 22-Jun-08 Examination - 3 YR	Request for Exam Filed
xxxxxx.1238	12/018005	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.1302	12/107433	22-Apr-08	22-Jun-08 Priority Claim on Spec	Priority Claim on Spec
xxxxxx.2768	XXXXXXX871	16-Aug-05	(F) Request 22-Jun-08 Examination - 3 YR	Confirmation of Filing

xxxxxx.3151	12/017707	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.1352	11/100479	22-Apr-08	22-Jun-08 US-Allowance	Fee Due in 1 Month
xxxxxx.2494	12/017943	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.1834	1/12/107531	22-Apr-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1352	11/100479	22-Apr-08	22-Jun-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx.0204	10/599230	22-Sep-06	22-Jun-08 Received	US-Filing Receipt
xxxxxx.2004	XXXXXX413	22-Jun-08	22-Jun-08 (F) Filing Receipt	US Non-Prov Filing Receipt
xxxxxx.0224	11/1373259	22-Apr-08	22-Jun-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx.0195	1 10/304611	13-Dec-07	22-Jun-08 Action	US-3 Month Office
xxxxxx.0230	1 11/615743	22-Dec-06	22-Jun-08 Notice of Publication	US-4 Mo. Response Status Check
xxxxxx.3883	XXXXX264	23-Jun-08	22-Jun-08 (F) New Application	Notice of Publication
				File Application Final

xxxxxx.0103	10/489131	07-Jan-08	22-Jun-08	US-3 Month Office	2 Weeks to Final Date
xxxxxx.2661	10/963916	07-Jan-08	22-Jun-08	US-3 Month Office Action	Information Dis Follow Up Date
xxxxxx.1369	11/235096	22-Dec-06	22-Jun-08	US-IDS Filed	
xxxxxx.0166	11/275700	23-Apr-08	22-Jun-08	US-Election/Restriction	1st Extension
xxxxxx.1649	11/2100909	22-Apr-08	22-Jun-08	Parts	Assignment
xxxxxx.1649	11/2100909	22-Apr-08	22-Jun-08	US-2 Month Missing	Oath/Declaration Due
xxxxxx.0173	10/210257	26-Dec-07	22-Jun-08	US-1 Month Office Action	Application Status Check
xxxxxx.1096	10/488136	22-Feb-08	22-Jun-08	US-3 Month Office Action	1st Extension
xxxxxx.3217	XXXXXXX809	23-Jun-03	22-Jun-08	Annuity Fee Due	Annuity Fee Due
xxxxxx.0103	11/632461	22-Oct-07	22-Jun-08	US-Assignment Filed	Assignment Filed Follow Up

xxxxxx.0466	XXXXXX87.3	23-Jun-08	22-Jun-08 (F) Response	Response Due Final
xxxxxx.0212	XXXXXX119	22-Apr-08	22-Jun-08 RO/105 Forms RO/102 &	Forms RO/102 & RO/105
xxxxxx.0222	XXXXXX095	22-Apr-08	22-Jun-08 RO/105 Forms RO/102 &	Forms RO/102 & RO/105
xxxxxx.0102		22-Oct-07	22-Jun-08 US-Assignment Filed	Assignment Filed Follow Up
xxxxxx.0164	XXXXXX50.0	26-Nov-07	EP-(New) Rule 51(4) 22-Jun-08 Comm.	Transmittal to Client
xxxxxx.3043	10/126108	22-Dec-07	22-Jun-08 month) US-Maintenance Tax (6	-- Yr Tax 6 Mo. Grace Final
xxxxxx.0108	XXXXXX29-2	22-Jul-08	(F) Request 22-Jun-08 Examination	Request for Exam Reminder
xxxxxx.0101 1	12/140349	22-Jun-08	22-Jun-08 US-File Application	File Application
xxxxxx.0102 1	12/140353	22-Jun-08	22-Jun-08 US-File Application	File CVP Application
xxxxxx.0102 1	12/140353	22-Jun-08	22-Jun-08 US-File Application	FILE W/NO NOT PUBLISH

FILE W/DO NOT PUBLISH					
xxxxxx.0101	112/140349	22-Jun-08	22-Jun-08	US-Request for Status	Request for Status Due
xxxxxx.0294	10/9666685	22-Jun-08	22-Jun-08 Due		
xxxxxx.1988	XXXXXXX761	22-Jun-08	22-Jun-08 (F) New Application		
xxxxxx.7177	10/849318	22-Feb-08	22-Jun-08 US-Final Office Action	1st Extension	
xxxxxx.0111	XXXXXX/XXXXXX/XC	22-Jul-05	22-Jun-08 Examination - 3 YR	Request for Exam Due	
xxxxxx.0113	11/615521	22-Dec-06	Information Disclosure Stmt	Information Dis Follow Up Date	
xxxxxx.0135	10/495406	22-May-08	US-Notice of Abandonment	Petition to Revive Reminder	
xxxxxx.0105	XXXXXX970	22-Jul-05	(F) Request Examination - 3 YR	Request for Exam Due	

xxxxxx.0108	XXXXXXX29-2	22-Jul-05	22-Jun-08	Examination - 3 YR	(F) Request Request for Exam Due
xxxxxx.0112	XXXXXXX224	22-Jul-05	22-Jun-08	Examination - 3 YR	(F) Request Request for Exam Due
xxxxxx.0113	11/61521	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication
xxxxxx.1020	12/053575	22-Mar-08	22-Jun-08	Assignment	Assignment
xxxxxx.1020	12/053575	22-Mar-08	22-Jun-08	Declaration/power of attorney	Declaration/power of attorney
xxxxxx.1020	12/053575	22-Mar-08	22-Jun-08	Formal Drawings Due	Formal Drawings Due
xxxxxx.1020	12/053575	22-Mar-08	22-Jun-08	Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.1020	12/053575	22-Mar-08	22-Jun-08	Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1059	12/053578	22-Mar-08	22-Jun-08	Formal Drawings Due	Formal Drawings Due
xxxxxx.1059	12/053578	22-Mar-08	22-Jun-08	Information Disclosure Stmt	Information Disclosure Stmt

EXHIBIT 6

xxxxxx.0153	11/6/15643	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.1040	12/053571	22-Mar-08	22-Jun-08 Assignment	Assignment
xxxxxx.1040	12/053571	22-Mar-08	22-Jun-08 attorney	Declaration/power of attorney
xxxxxx.1040	12/053571	22-Mar-08	22-Jun-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1040	12/053571	22-Mar-08	22-Jun-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.1040	12/053571	22-Mar-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.3559	XXXXXXX80-1	22-Feb-08	22-Jun-08 (F) New Application	Formal Documents to Client
xxxxxx.3081	XXXXXXX255	22-Dec-05	(F) Request for Exam (Rem 2)	(F) Request
xxxxxx.1059	12/053578	22-Mar-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.0157	10/751216	22-Feb-08	22-Jun-08 US-RCE (Req. Cont'd)	Appln Status Check/No Term Ext

				US-3 Month Office	US-4 Mo. Response Status
				Check	Check
xxxxxx.0931	10/460811	30-Nov-07	22-Jun-08 Action	Information Disclosure	Information Dis Follow Up
xxxxxx.0599	11/615154	22-Dec-06	22-Jun-08 Stmt	Date	Date
xxxxxx.2784	XXXXXX67.4	22-Mar-04	22-Jun-08 Acceptance	Deadline for Acceptance	Due Date for Acceptance
xxxxxx.2689	11/042922	22-Feb-08	22-Jun-08 US-Final Office Action	1st Extension	
xxxxxx.0112	11/1539464	22-Jan-08	22-Jun-08 Action	US-3 Month Office	
xxxxxx.0238	11/276917	22-Jun-08	22-Jun-08 Check	US-Application Status	Application Status Check
xxxxxx.1815	11/2/017521	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd	
xxxxxx.1829	1/12/017582	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd	
xxxxxx.0222	XXXXXX96.8	22-Dec-05	22-Jun-08 Regional Stage Entry	Regional Stage Entry in EP	
xxxxxx.0220	11/108190	22-Jan-08	22-Jun-08 US-Final Office Action	2nd Extension	

Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date	Information Dis Follow Up Date
xxxxxx.1123 10/649452	22-Dec-06	22-Jun-08 US-IDS Filed							
xxxxxx.0127 11/615654	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication						
xxxxxx.0137 11/615594	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication						
xxxxxx.2220 11/615577	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication						
xxxxxx.0234 XXXX/XX191	22-Jun-08	22-Jun-08 Abandoned	Abandoned						
xxxxxx.0124 11/615070	22-Dec-06	22-Jun-08 Stmtnt	Information Disclosure Stmtnt	Information Dis Follow Up Date					
xxxxxx.3366 60/945726	22-Jun-07	22-Jun-08 U.S. Filing Due	U.S. Filing Due						
xxxxxx.0396 11/615422	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication						
xxxxxx.0139 11/615613	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication						
xxxxxx.0276 29/234508	19-Jul-05	22-Jun-08 Stmtnt	Information Disclosure Stmtnt	Information Dis Follow Up Date					
xxxxxx.0288 29/245434	22-Dec-05	22-Jun-08 Stmtnt	Information Disclosure Stmtnt	Information Dis Follow Up Date					

xxxxxx.0623	11/6/15663	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.0615	11/6/15527	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.0506	xxxxxxxxxx41	23-Jun-08	22-Jun-08 (F) Response	Information Disclosure
xxxxxx.0123	11/6/15602	22-Dec-06	22-Jun-08 Stmt	Information Disclosure
xxxxxx.0114	xxxxxx/X007	22-Jul-05	22-Jun-08 Examination - 3 YR	(F) Request
xxxxxx.0163	10/399243	22-Feb-08	22-Jun-08 Action	US-3 Month Office
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Assignment	1st Extension
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 attorney	Assignment
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Formal Drawings Due	Declaration/power of attorney
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Stmt	Information Disclosure Stmt
xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Stmt	Information Disclosure Stmt

xxxxxx.0998	12/053570	22-Mar-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.0599	11/615154	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.1609	11/2018036	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.0281	XXXXXXX892	22-Jun-08	22-Jun-08 (F) Official Action	Official Action Issued
xxxxxx.0989	12/053567	22-Mar-08	22-Jun-08 Assignment	Assignment
xxxxxx.0989	12/053567	22-Mar-08	22-Jun-08 attorney	Declaration/power of attorney
xxxxxx.0989	12/053567	22-Mar-08	22-Jun-08 Stmt	Information Disclosure Stmt
xxxxxx.0989	12/053567	22-Mar-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1032	XXXXX392	22-Dec-03	22-Jun-08 (F) Request Examination - 5 YR	Request for Exam (Ren 4)
xxxxxx.1674	10/764099	22-Apr-08	22-Jun-08 US Issue Notification	Letters Patent/Soft Copies
xxxxxx.1629	11/2017916	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd

xxxxxx.0353	11/420618	07-Jan-08	22-Jun-08	US-3 Month Office	2 Weeks to Final Date
xxxxxx.0949	12/027427	22-Feb-08	22-Jun-08	US-2 Mo Correct. Appn. Papers	2nd Extension
xxxxxx.0462	11/865610	22-Oct-07	22-Jun-08	US-2 Month Missing Parts	Assignment Filed Follow Up
xxxxxx.0122	11/615574	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication
xxxxxx.3473	XXXXXXX85-9	22-Feb-08	22-Jun-08	(F) New Application	Formal Documents to Client
xxxxxx.0927	12/094186	22-Dec-05	22-Jun-08	File Application	File Application
xxxxxx.0112	11/083379	22-Feb-08	22-Jun-08	US-3 Month Office	1st Extension
xxxxxx.3533	XXXXXXX81-8	15-Oct-08	22-Jun-08	(F) New Application	Formal Documents to Client
xxxxxx.0928	12/094199	22-Dec-05	22-Jun-08	File Application	File Application
xxxxxx.1842	XXXXXXX19.4	22-Jun-08	22-Jun-08	(F) Transmittal to Client	Transmittal to Client

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xxxxxx.2529	XXXXXX/X003	22-Apr-08	22-Jun-08 (F) Official Action	Instructions to Agent Due
xxxxxx.0253	10/255989	14-Dec-07	22-Jun-08 Action	US-3 Month Office Check
xxxxxx.1585	10/818305	22-Feb-08	22-Jun-08 Action	US-3 Month Office
xxxxxx.0417	11/536681	22-Feb-08	22-Jun-08 US-Final Office Action	1st Extension
xxxxxx.0212	09/624047	22-May-08	US-Notice of Abandonment	Petition to Revive
xxxxxx.2781	XXXXXXXXXX514	29-Jan-08	22-Jun-08 (F) Official Action	Assoc. Confirmed Response
xxxxxx.1947	XXXXXX699	22-Aug-08	22-Jun-08 (F) Priority Document	Order Priority Document
xxxxxx.1962	XXXXXX698	22-Aug-08	22-Jun-08 (F) Priority Document	Order Priority Document
xxxxxx.0114	XXXXXX/X007	22-Jul-08	(F) Voluntary Amendment	Voluntary Amendment Due

Response/Amendment	Due
xxxxxx.1534 XXXXX982	06-Jul-08 22-Jun-08 (F) Official Action
xxxxxx.1059 12/053578	22-Mar-08 22-Jun-08 Assignment
	Declaration/power of attorney
xxxxxx.1059 12/053578	22-Mar-08 22-Jun-08 attorney
	PCT Article 19
xxxxxx.0964 XXXXXXXX/XXX23	22-Apr-08 22-Jun-08 Amendment
	Article 19 Amendment Final
xxxxxx.1344 XXXXX376	25-Jun-03 22-Jun-08 Examination - 5 YR
	(F) Request Confirmation of Filing
xxxxxx.0106 11/864104	22-May-08 22-Jun-08 US-Notice/Incomplete Reply
	US-Notice/Incomplete Reply Final
xxxxxx.2195 10/352343	22-May-08 22-Jun-08 US-Allowance
	US-Allowance
xxxxxx.0102 11/306781	22-Jan-08 22-Jun-08 US-Request for Status Filed
	US-Request for Status Follow Up Request for Status
xxxxxx.0105 10/411848	22-Feb-08 22-Jun-08 US-RCE (Req. Cont'd Exam)
	US-RCE (Req. Cont'd Exam) Appln Status Check/No Term Ext
xxxxxx.2289 XXXXXXXXXC	06-Jul-08 22-Jun-08 (F) Grant/Issue Fees
	Pay Grant/Issue Fees

xxxxxx.0989	12/053567	22-Mar-08	22-Jun-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0739	11/958186	22-Jan-08	22-Jun-08 Parts	US-2 Month Missing Drawings 3rd Reminder
xxxxxx.0739	11/958186	22-Jan-08	22-Jun-08 Parts	US-2 Month Missing Oath/Declaration 3rd Reminder
xxxxxx.0123	11/615602	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.1364	11/199139	22-Feb-08	22-Jun-08 Action	US-3 Month Office 1st Extension
xxxxxx.0109	11/311594	22-Jan-08	22-Jun-08 US-Final Office Action	2nd Extension
xxxxxx.0201	10/502991	22-Apr-08	22-Jun-08 Action	US-3 Month Office 1 Month to Due Date
xxxxxx.0203	11/152860	22-May-08	22-Jun-08 Abandonment	US-Notice of Petition to Revive Reminder
xxxxxx.0195	10/444693	22-May-08	22-Jun-08 Compliant Appeal	US-Notice/Non- Res. Non-Comp Appeal Brief due
xxxxxx.0413	10/856408	22-May-08	22-Jun-08 US-Allowance	Fee Due in 2 Months

				Information Disclosure Stmt	Information Dis Follow Up	Filing Receipt Recd
xxxxxx.1888	2/12/017752	22-Jan-08	22-Jun-08	Filing Receipt Recd		
xxxxxx.0600	1/1/612452	18-Dec-06	22-Jun-08	US Allowance	Fee Due in 1 Month	
xxxxxx.0224	11/13/3259	22-Apr-08	22-Jun-08	US-Non-Prov Filing Receipt	US Non-Prov Filing Receipt	
xxxxxx.1956	XXXXXX409	22-Jun-08	22-Jun-08	(F) Filing Receipt		
xxxxxx.0609	11/615193	22-Dec-06	22-Jun-08	Notice of Publication	Notice of Publication	
xxxxxx.1849	60/936925	22-Jun-07	22-Jun-08	U.S. Filing Due	U.S. Filing Due	
xxxxxx.0753	10/730066	22-Jun-07	22-Jun-08	US-1 Month Office Action	Review for Generic Claim	
xxxxxx.1958	XXXXXX956	22-Jun-08	22-Jun-08	(F) Transmittal to Agent	Transmittal to Agent	
xxxxxx.1520	09/1830899	22-May-08	22-Jun-08	US-Decision/Appeal Denied	Reply Brief Reminder	
xxxxxx.2006	XXXXXX410	22-Jun-08	22-Jun-08	(F) Filing Receipt	US Non-Prov Filing Receipt	

		Information Disclosure		Information Dis Follow Up	
		ISR/Written Opinion	Received	ISR/Written Opinion	Date Received
xxxxxx.0646	11/625601	22-Jan-07	22-Jul-08 Stmt		
xxxxxx.2457	XXX/XXXX/XXX20	22-Jul-08	22-Jul-08 Received		
xxxxxx.1516	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	
xxxxxx.1517	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	
xxxxxx.1515	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	
xxxxxx.1519	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	
xxxxxx.1518	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	
xxxxxx.0287	11/627146	22-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date	
xxxxxx.2178	XXX/X006	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due	

			PCT National Stage	PCT National Stage Entry - US
xxxxxx.3065	XXXXXXX/XXX92	23-Jan-06	22-Jul-08 Entry - US	
xxxxxx.0177	XXX/XXXX/XXX21	08-Jul-08	22-Jul-08 PCT Form RO/106	Request for Rectification
xxxxxx.0137	29/280943	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.0374	11/611255	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.7719	XXXXXX01.1	23-Jul-08	EP - Rule 97(1) Communication	Transmittal to Client
xxxxxx.1110	XXXXXXX827	29-Oct-07	22-Jul-08 (F) Letters Patent	Transmittal to Client
xxxxxx.0169	11/272413	22-Aug-06	Review for Broad Reissue	Review for Broad Reissue
xxxxxx.1096	10/488136	22-Feb-08	US-3 Month Office Action	2nd Extension
xxxxxx.1675	XXXXXX19.7	23-Jan-08	(F) Official Action - 4	Response/Amendment Filed (EXT)

EXHIBIT 6

		Information Disclosure		Information Dis Follow Up	
		22-Jul-08 Stmtt	US Notice of	Follow Up Pet. To Revive	Date Filed
xxxxxx.0622	11/614752	21-Dec-06	22-Jul-08 Abandonment	Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)
xxxxxx.0212	09/624047	22-May-08	US Notice of	Follow Up Pet. To Revive	Filed
xxxxxx.3254	11/752032	22-May-07	US Notice of	Follow Up Pet. To Revive	Filed
xxxxxx.0779	11/752150	22-May-07	Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)
xxxxxx.0212	XXXXXX119	22-Apr-08	22-Jul-08 Form 1B301	Form 1B301	Form 1B301
xxxxxx.0212	XXXXXX119	22-Apr-08	22-Jul-08 Form ISA/202	Form ISA/202	Form ISA/202
xxxxxx.0222	XXXXXX095	22-Apr-08	22-Jul-08 Form ISA/202	Form ISA/202	Form ISA/202
xxxxxx.0139	11/1251137	22-Apr-08	22-Jul-08 US-Final Office Action	3 Month Notice of Appeal	3 Month Notice of Appeal
xxxxxx.0206	10/599222	22-Sep-08	US-Filing Receipt	Filing Receipt Received	Filing Receipt Received
xxxxxx.0120	60/981765	22-Oct-07	9 Mo. Foreign Filing Rem/Atty	9 Mo. Foreign Filing Rem/Atty	9 Mo. Foreign Filing Rem/Atty
xxxxxx.3065	XXX/XXX/XXX/XXX92	23-Jan-06	Chapter II Nat/Reg	Chapter II Nat/Reg Filing	Chapter II Nat/Reg Filing

(F) Official Action - 4			
xxxxxx.2561	xxxxxx00.5	07-Mar-08	22-Jul-08 months
xxxxxx.1020	12/053575	22-Mar-08	22-Jul-08 Priority Claim on Spec.
xxxxxx.3331	11/805429	22-May-07	Appln Status Check (14 Mo.)
xxxxxx.2381	11/835098	07-Aug-07	22-Jul-08 Foreign Filing
xxxxxx.0413	10/856408	22-May-08	22-Jul-08 US-Allowance
xxxxxx.0307	XXXXXX/X002	23-Jul-08	(F) Voluntary Amendment
xxxxxx.1465	11/940077	22-Jul-08	22-Jul-08 Amendment Final
xxxxxx.1463	11/940001	22-Jul-08	US-IDS Filed
xxxxxx.1464	11/940040	22-Jul-08	IDS Filed
xxxxxx.1466	11/940095	22-Jul-08	22-Jul-08 US-IDS Filed
xxxxxx.0154	09/896887	22-Jul-08	US-Req.Correct.Assignment
xxxxxx.1339	11/757618	22-Jul-08	US-3 Month Office Action
			Rejection Mailed

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xxxxxx.1915	12/139640	22-Jul-08	22-Jul-08 US-IDS Filed	IDS Filed
xxxxxx.0581	11/1752167	22-May-07	Appln Status Check (14 Mo.)	Appln Status Check (14 Mo.)
xxxxxx.0132	11/1142939	22-Feb-08	22-Jul-08 Action	2nd Extension
xxxxxx.0491	11/023320	22-Jul-08	22-Jul-08 US-Final Office Action	Final Rejection
xxxxxx.1649	XXXXXX2/98	22-Jul-08	22-Jul-08 (F) Official Action	Official Action Issued
xxxxxx.0593	XX-XXXX-XXXX23	22-Jul-03	22-Jul-08 Deferred Exam	Deferred Exam
xxxxxx.1746	XXXXXX53.3	22-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.8945	XXXX/XX087	22-Jul-08	(F) Review Correspondence	Review Correspondence
xxxxxx.8947	XXXX/XX089	22-Jul-08	(F) Review Correspondence	Review Correspondence
xxxxxx.0341	XXXXXX994	11-Apr-08	22-Jul-08 (F) Response	Transmittal to Client
xxxxxx.0335	12/116488	22-May-08	US-2 Month Missing	Oath/Declaration Due

xxxxxx.0908	11996020	22-Jul-08	22-Jul-08 US-Declaration Filed	Declaration Filed
xxxxxx.1429	111/079878	22-Jul-08	22-Jul-08 US-RCE (Req. Cont'd)	Letter to Client Due
xxxxxx.1311	12/115213	22-May-08	22-Jul-08 US-2 Month Missing Parts	Assignment
xxxxxx.0222	XXXX/XX095	22-Apr-08	22-Jul-08 Form IB/301	Form IB/301
xxxxxx.0316	11/151227	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.3541	XXXXXXX79-3	15-Nov-08	22-Jul-08 (F) New Application	Filing Receipt Received
xxxxxx.1278	XXXXXXX/XX106	09-May-08	22-Jul-08 PCT Form RO/132	Review Correspondence
xxxxxx.1831	112/051170	22-Jul-08	22-Jul-08 US-Preliminary Amendment	Letter to Client Due
xxxxxx.1831	112/051170	22-Jul-08	22-Jul-08 US-Preliminary Amendment	Req. to Withdraw Petition
xxxxxx.1831	112/051170	22-Jul-08	22-Jul-08 US-Assignment Filed	Assignment Filed

				(F) Deadline for Acceptance	Due Date for Acceptance
xxxxxx.1539	XXXXXXX173	22-Oct-08	22-Jul-08	Acceptance	
xxxxxx.3197	XXXXXXX66-2	23-Mar-06	22-Jul-08	Exam Request	Exam Request
xxxxxx.1421	11/862292	22-Jul-08	22-Jul-08	US-Issue Notification	Issue Notification
xxxxxx.0316	11/151227	22-Jul-08	22-Jul-08	US-Patent Issue Date	Patent Issue Date
xxxxxx.1831	112/051170	22-Jul-08	22-Jul-08	US-Preliminary Amendment	Preliminary Amendment
xxxxxx.1524	10/755791	22-Jul-08	22-Jul-08	US-Advisory Action	Advisory Action
xxxxxx.1965	11/336742	22-Jul-08	22-Jul-08	US-Issue Notification	Issue Notification
xxxxxx.0387	11/436782	07-Feb-08	22-Jul-08	US-Final Office Action	2 Weeks to Final Date
xxxxxx.0135	10/495406	22-May-08	22-Jul-08	US-Notice of Abandonment	Petition to Revive Due
xxxxxx.0251	11/426477	02-Nov-07	22-Jul-08	US-Allowance	Issue Fee Follow Up

		23-Jul-08	22-Jul-08	(F) Request Examination	Request for Exam Filed
xxxxxx.1290	XXXX904				
xxxxxx.0622	10/980496	22-Jul-08	22-Jul-08	US-3 Month Office Action	Rejection Mailed
xxxxxx.0120	10/473961	22-Jul-08	22-Jul-08	US-Final Office Action	Final Rejection
xxxxxx.0212	10/511575	22-Jul-08	22-Jul-08	US-Notice of Abandonment	Notice of Abandonment
xxxxxx.0328	10/526148	22-Jul-08	22-Jul-08	US-3 Month Office Action	Rejection Mailed
xxxxxx.0108	XXXXXX502	22-Jul-08	22-Jul-08	PCT Change Under Rule 92bis	Received Form PCT/IB306
xxxxxx.1040	12/053571	22-Mar-08	22-Jul-08	Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1059	12/053578	22-Mar-08	22-Jul-08	Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1947	XXXXXX699	22-Aug-08	22-Jul-08	(F) Priority Document	File Priority Document

				ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.1889	XXXXXX/XXX563	22-Jul-08	22-Jul-08		
xxxxxx.0112	11/539464	22-Jan-08	22-Jul-08 Action	US-3 Month Office	6 Month Final
xxxxxx.0228	11/374339	22-Jul-08	22-Jul-08 Recorded A	Assignment Recorded A	
xxxxxx.1284	12/157774	22-Jul-08	22-Jul-08 US-IDS Filed	IDS Filed	
xxxxxx.0136	XXXXXX87.0	23-Jul-08	22-Jul-08 (F) Official Action	Response/Amendment Final	
xxxxxx.0102	11/196372	22-Jul-08	22-Jul-08 Action	US-3 Month Office	
xxxxxx.0251	11/426477	02-Nov-07	22-Jul-08 US-Allowability Date	US-Allowability Follow Up Date	
xxxxxx.1666	11/876301	22-Oct-07	22-Jul-08 Foreign Filing	9 Mo. Foreign Filing Reminder	
xxxxxx.1815	11/12/017521	22-Jan-08	22-Jul-08 Assignment	Assignment Follow Up Date	

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					Assignment Follow Up
					Date
xxxxxx.1829	1/12/017582	22-Jan-08	22-Jul-08 Assignment		
xxxxxx.0220	11/108190	22-Jan-08	22-Jul-08 US-Final Office Action	6 Month Final Date	
xxxxxx.0179	12/170025	22-Jul-08	22-Jul-08 of Atty.	US-Revocation/Power of Atty Due	
xxxxxx.0425	XXXX622	22-Jul-08	22-Jul-08 (F) Notice of Allowance	Case Allowed	
xxxxxx.0597	11/046043	22-May-08	22-Jul-08 US-Examiner's Answer	Reply Brief	
xxxxxx.2747	XXX/XXXX/XXX18	23-Jan-06	PCT National Stage	PCT National Stage Entry - US	
xxxxxx.2195	10/352343	22-May-08	22-Jul-08 US-Allowance	Fee Due in 1 Month	
xxxxxx.0994	1/1129941	22-Jul-08	22-Jul-08 US-Final Office Action	Final Rejection	
xxxxxx.1535	12/165760	22-Jul-08	US-2 Month Missing	2 Month Missing Parts	
xxxxxx.0346	XXXXXX41.4	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client	

xxxxxx.0761	11739813	22-Jul-08	22-Jul-08 US-IDS Filed	IDS Filed
xxxxxx.0354	XXXXXX83.5	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0358	XXXXXX88.4	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0350	XXXXXX86.8	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0120	60/981765	22-Oct-07	22-Jul-08 9 Mo. Reminders	9 mo. Foreign Filing Reminder
xxxxxx.1535	12/165760	22-Jul-08	US-Filing Receipt 22-Jul-08 R Received	Filing Receipt Received
xxxxxx.0338	XXXXXX81.0	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0334	XXXXXX77.2	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0362	XXXXXX46.0	08-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.1217	10/740290	22-Jul-08	22-Jul-08 Filed	US-Terminal Disclaimer Terminal Disclaimer Filed

xxxxxx.1732	XXXX/XXXX/XXX48	26-Jun-08	22-Jul-08 (F) Transmittal to Agent	PCT IB326 (IPRP) 22-Jul-08 Follow-Up	Transmittal to Client
xxxxxx.1984	XXXXXXXXXX27.4	08-Jul-08	Transmittal to Agent	Transmittal to Agent	Transmittal to Client
xxxxxx.1986	XXXX-XXXX238	08-Jul-08	22-Jul-08 (F) Transmittal to Agent	Transmittal to Agent	Transmittal to Client
xxxxxx.1221	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed	Transmittal to Client
xxxxxx.0523	XXXXXXX383	07-Apr-08	(F) Declaration of Entitlement	Review Correspondence	Transmittal to Client
xxxxxx.0114	XXXXXXJX007	22-Jul-05	(F) Request Examination - 3 YR	Request for Exam Final	Transmittal to Client
xxxxxx.0163	10/399243	22-Feb-08	22-Jul-08 Action	US-3 Month Office 2nd Extension	Transmittal to Client
xxxxxx.8134	10/888196	22-Jan-07	22-Jul-08 US-IDS Filed	Information Dis Follow Up Date	Transmittal to Client
xxxxxx.0105	11/625675	22-Jan-07	22-Jul-08 Notice of Publication	Notice of Publication	Transmittal to Client

xxxxxx.0231	09/990354	22-Jul-08	22-Jul-08 US Assignment Filed	Assignment Filed
xxxxxx.0998	12/053570	22-Mar-08	22-Jul-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.1766	XXXXXX450	14-Jul-08	22-Jul-08 ISR/Written Opinion Received	Transmittal to Client
xxxxxx.1830	XXXXXX27.1	23-Jan-08	22-Jul-08 EP - Rule 51(1) EPC - 6 Proceed with EP app. - mo.	Final
xxxxxx.0369	XX-XXXX410	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.2148	10/258510	22-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date
xxxxxx.0373	XXXX891	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0565	09/467263	22-Jan-01	22-Jul-08 Maintenance fee	TAX 7.5
xxxxxx.0125	XXXXXX73.9	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0125	XXXXXX73.9	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due

				National Validation
xxxxxx.0524	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.0643	12/035612	22-Feb-08	22-Jul-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.1080	12/125813	22-May-08	22-Jul-08 Priority Claim on Spec	Priority Claim on Spec
xxxxxx.0104	61/030715	22-Feb-08	22-Jul-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.2689	11/042922	22-Feb-08	22-Jul-08 US-IDS Due	2nd Extension
xxxxxx.1535	12/165760	17-Jul-08	22-Jul-08 US-Final Office Action	Letter to Client Due
xxxxxx.0989	12/053567	22-Mar-08	22-Jul-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxxx.2581	12/035637	22-Feb-08	22-Jul-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.0182	12/169931	22-Jul-08	US-Revocation/Power of Atty.	Revocation/Power of Atty. Due
xxxxxx.0949	12/027427	22-Feb-08	US-2 Mo Correct. 22-Jul-08 Appln. Papers	3rd Extension
xxxxxx.3238	XXXXXX67.4	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due

xxxxxx.3243	XXXXXX67.4	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0119	XX/XX/XXXX/XXX8	22-Jul-08	22-Jul-08 Divisional Application	File Divisional Application
xxxxxx.1273	11/763218	14-Jul-08	22-Jul-08 US-Change of Corresp.	US-Change of Corresp.
xxxxxx.0161	10/721055	17-Jul-08	22-Jul-08 US-IDS Due	US-IDS Due
xxxxxx.0417	11/536681	22-Feb-08	22-Jul-08 US-Final Office Action	US-Final Office Action
xxxxxx.3787	12/199437	22-Aug-08	22-Jul-08 US-File Application	File Application - Reminder
xxxxxx.3788	12/247513	22-Aug-08	22-Jul-08 US-File Application	File Application - Reminder
xxxxxx.3789	12/253844	22-Aug-08	22-Jul-08 US-File Application	File Application - Reminder
xxxxxx.0231	XXXX/XXX17	03-Jul-08	22-Jul-08 PCT Form IB/311 Follow-up	PCT Form IB/311 Follow-up

xxxxxx.0212	09/624047	22-May-08	22-Jul-08 Abandonment	US-Notice of Petition to Revive Due
xxxxxx.0334	90/007914	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0109	11/757787	22-Jul-08	22-Jul-08 US-Petition	Petition
xxxxxx.9172	XXXXXX41.4	20-Jul-08	22-Jul-08 (F) New Application	Filing Receipt Received
xxxxxx.1962	XXXXXX698	22-Aug-08	22-Jul-08 (F) Priority Document	File Priority Document
xxxxxx.3483	XXXXXXX/XX698	22-Dec-06	22-Jul-08 B/311	Publication with Form IB/311
xxxxxx.0494	10/805825	22-May-08	22-Jul-08 Action	Publication with Form
xxxxxx.1831	11/12/051170	22-Jul-08	US-3 Month Office	Draft Response to Client
xxxxxx.1567	10/279180	22-Apr-08	US-3 Assignment	US-Assignment Recorded C
xxxxxx.0512	XXXXXX/XX007	22-Aug-08	(F) Voluntary Amendment	Assignment Recorded C
			Voluntary Amendment Due	3 Month Due Date

xxxxxx.3225	XXXXXX691	29-Jan-08	22-Jul-08 (F) Grant/Issue Fees	Received Letters Patent
xxxxxx.3236	XXXXXX77.1	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.3237	XXXXXX67.4	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0944	10/630515	22-Jul-08	22-Jul-08 US-Final Office Action	Final Rejection
xxxxxx.3245	XXXXXX377	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.2668	XXXXX955	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.2671	XXXXXXX566	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.3244	XXXXXX67.4	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0184	XXX/XXXXXXX95	22-May-08	22-Jul-08 PCT Article 19 Amendment	Article 19 Amendment Final
xxxxxx.3242	XXXX112	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.3249	XXXXXX77.1	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.3248	XXXXXX77.1	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due

xxxxxx.3247	XXXXXX77.1	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0152	XXXXXX38.7	22-Jul-08	22-Jul-08 Annuity Fee Due	Annuity Fee Due
xxxxxx.1223	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.1103	XXXXXX459	22-May-06	22-Jul-08 Filing	Chapter II Nat/Reg Rem.
xxxxxx.1076	101471456	22-Jul-08	22-Jul-08 US-Allowance	Notice of Allowance
xxxxxx.1065	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.9024	XXX501	22-Jul-08	22-Jul-08 Abandoned	Abandoned
xxxxxx.2195	10352343	22-May-08	22-Jul-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx.1288	10766934	22-May-08	22-Jul-08 US-Final Office Action	2 Month Amendment Due Date
xxxxxx.0512	XXXXXX007	22-Aug-05	22-Jul-08 Examination - 3 YR	(F) Request for Exam Due

xxxxxx.0509	XXXXXXXXXX583	22-Aug-05	22-Jul-08 (F) Request Examination - 3 YR	(F) Request Examination - 3 YR
xxxxxx.0692	XXX263	05-Aug-08	22-Jul-08 (F) Power of Attorney	Request for Exam Due File Power of Attorney
xxxxxx.0511	XXXXXX/XXXX/X0	22-Aug-05	22-Jul-08 (F) Request Examination - 3 YR	(F) Request Examination - 3 YR
xxxxxx.0584	09/790284	07-Feb-08	22-Jul-08 US-3 Month Office Action	US-3 Month Office Action 2 Weeks to Final Date
xxxxxx.0432	11/875304	22-Jul-08	22-Jul-08 US-IDS Filed	US-IDS Filed
xxxxxx.0739	11/958186	22-Jan-08	22-Jul-08 US-2 Month Missing Parts	US-2 Month Missing Parts Drawings 4th Reminder
xxxxxx.0739	11/958186	22-Jan-08	22-Jul-08 US-2 Month Missing Parts	US-2 Month Missing Parts Oath/Declaration 4th Reminder
xxxxxx.0137	29/280943	22-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date
xxxxxx.3621	12/167715	22-Jul-08	22-Jul-08 US-2 Month Missing Parts	US-2 Month Missing Parts 2 Month Missing Parts

xxxxxx.0287	11/627146	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.1076	10/471456	22-Jul-08	22-Jul-08 US-Allowability	Notice of Allowability
xxxxxx.2719	11/435347	22-Apr-08	22-Jul-08 US-3 Month Office	3 Month Due Date
xxxxxx.2580	XXXXXX786	22-Jul-08	22-Jul-08 (F) Transmittal to Client	Review Correspondence
xxxxxx.0501	XXX/XXX/XXX10	15-Jul-08	SR/Written Opinion Received	
xxxxxx.0896	12/016861	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.1750	XXXXXX02.9	09-Feb-08	22-Jul-08 (F) New Application	Transmittal to Client
xxxxxx.3246	XXXXX616	23-Jul-08	22-Jul-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0202	10/503909	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.0202	10/503909	22-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date
xxxxxx.6719	11/130977	22-Jul-08	22-Jul-08 US-3 Month Office Action	Rejection Mailed

xxxxxx.0425	11/875098	22-Jul-08	22-Jul-08 US-Final Office Action	Final Rejection
xxxxxx.1004	11/620928	22-Jul-08	22-Jul-08 US-Letter to Client Due	Letter to Client Due
xxxxxx.1121	12/013215	02-Oct-08	22-Jul-08 US-Notice of Publication	Letter to Client Due
xxxxxx.8475	11/379197	22-Jul-08	22-Jul-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.0253	XXXXXXX977	22-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0108	10/872030	22-Jul-08	22-Jul-08 US-Request for Status Filed	Request for Status Filed
xxxxxx.1429	11/1079878	28-Mar-08	22-Jul-08 US-Final Office Action	File CON Application/RCE
xxxxxx.0761	11/739813	22-Jul-08	22-Jul-08 US-IDS Due	Information Disclosure Stmt
xxxxxx.1429	11/1079878	22-Jul-08	22-Jul-08 US-RCE (Req. Cont'd Exam)	RCE (Req. Cont'd Exam)
xxxxxx.0147	10/938152	07-Feb-08	22-Jul-08 US-3 Month Office Action	2 Weeks to Final Date

xxxxxx.1364	11/199139	22-Feb-08	22-Jul-08 Action	US-3 Month Office	2nd Extension
xxxxxx.0109	11/311594	22-Jan-08	22-Jul-08	US-Final Office Action	6 Month Final Date
xxxxxx.0203	11/152360	22-May-08	22-Jul-08	US-Notice of Abandonment	Petition to Revive Due
xxxxxx.0195	10/444693	22-May-08	22-Jul-08	US-Notice/Non-Compliant Appeal	Res. Non-Comp App Brief-1st ex
xxxxxx.1462	11/939962	22-Jul-08	22-Jul-08	US-IDS Filed	IDS Filed
xxxxxx.0212	11/363152	22-Jul-08	22-Jul-08	US-Election/Restriction	Election/Restriction Mailed
xxxxxx.0500	XXX/XXX/XX094	15-Jul-08	22-Jul-08	ISR/Written Opinion Received	Transmittal to Client
xxxxxx.0413	10/856408	22-May-08	22-Jul-08	US-Allowance	Fee Due in 1 Month
xxxxxx.0286	11/996027	22-Jul-08	22-Jul-08	US-Declaration Filed	Declaration Filed
xxxxxx.0117	11/243712	22-Jul-08	22-Jul-08	US-IDS Not Applicable	IDS Not Applicable

xxxxxx.0335	90/007913	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.2661	10/963916	22-Jul-08	22-Jul-08 Abandonment	Notice of Abandonment
xxxxxx.2642	XXXXXXXXXXXX614	23-May-08	(F) Official Action - 2 22-Jul-08 months	Response/Amendment - Ext Filed
xxxxxx.2002	XXXXXX412	22-Jun-08	22-Jul-08 (F) Filing Receipt	US Non-Prov Filing Receipt
xxxxxx.0120	12/177322	22-Jul-08	22-Jul-08 Verified Statement	Verified Statement
xxxxxx.0122	XXX811	22-Jan-07	22-Jul-08 (F) Prior Art Disclosure	(F) Prior Art Disclosure
xxxxxx.1098	11/504938	22-Jul-08	US-3 Month Office Action	Rejection Mailed
xxxxxx.1308	12/115194	22-May-08	22-Jul-08 Parts	Assignment
xxxxxx.1311	12/115213	22-May-08	US-2 Month Missing	Oath/Declaration Due
xxxxxx.1311	12/115213	22-May-08	22-Jul-08 Parts	Verified Statement Due
		22-May-08	22-Jul-08 Parts	US-2 Month Missing

xxxxxx.1308	12/115194	22-May-08	22-Jul-08	US-2 Month Missing Parts	Oath/Declaration Due
xxxxxx.1308	12/115194	22-May-08	22-Jul-08	US-2 Month Missing Parts	Verified Statement Due
xxxxxx.1362	11/828757	22-Jul-08	22-Jul-08	US-Supp. IDS Filed	Supp. IDS Filed
				US-Decision/Appeal	
xxxxxx.1520	09/830899	22-May-08	22-Jul-08	Denied	Reply Brief Due
xxxxxx.0120	60/981765	22-Oct-07	22-Jul-08	9 Mo. Reminders	9 mo. U.S. Filing Reminder
xxxxxx.2456	XXX/XXXX/XXX20	22-Jul-08	22-Jul-08	ISR/Written Opinion	ISR/Written Opinion
xxxxxx.0217		22-Jul-08	22-Jul-08	Received	Received
xxxxxx.1987	XXXXXX/XXX595	22-Jun-07	22-Jul-08	New PCT Application	Assignment Filed
xxxxxx.0125	XXXXXX73.9	23-Jul-08	22-Jul-08	EARS Annuity Due	Rec'd Filing Postcard
xxxxxx.0119	11/279908	22-Jul-08	22-Jul-08	Action	Rejection Mailed

xxxxxx.0202	11/18/76546	22-Oct-07	22-Jul-08 Foreign Filing	9 Mo. Foreign Filing Reminder
xxxxxx.1655	XXXXXXXXXXXX613	23-May-08	22-Jul-08 (F) Response months	(F) Official Action - 2 Response/Amendment
xxxxxx.0348	XXXXXXXXXXXX681	05-Aug-08	22-Jul-08 (F) Response	Response Due
xxxxxx.3385	XXX/XXXX/XX563	22-Jul-08	ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.2494	12/017943	22-Jan-08	22-Jul-08 Assignment	Assignment Follow Up Date
xxxxxx.1620	10/465481	22-Jul-08	22-Jul-08 US-Advisory Action	Advisory Action
xxxxxx.1181	10/701653	22-Jul-08	22-Jul-08 US-Advisory Action	Advisory Action
xxxxxx.3629	XXXXXXXXXX36-7	07-Feb-08	22-Jul-08 (F) New Application	Filing Receipt Received
xxxxxx.0713	11/687158	22-May-08	22-Jul-08 US-Election/Restriction 1st Extension	
xxxxxx.9013	XXXXXXXXX204	23-Jul-08	(F) Deadline for Acceptance Case Accepted	

xxxxxx.2134	XXXX-X973	29-Feb-08	22-Jul-08 (F) Grant/Issue Fees	Received Letters Patent
xxxxxx.0105	XXXXXX970	22-Jul-05	22-Jul-08 Request Examination	Request Examination
xxxxxx.0224	11/1373259	22-Apr-08	22-Jul-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.0487	60/957271	22-Aug-07	22-Jul-08 Foreign Filing	Foreign Filing Due - LA
xxxxxx.0487	60/957271	22-Aug-07	22-Jul-08 Foreign Filing - Atty.	Foreign Filing Due - Atty
xxxxxx.0487	60/957271	22-Aug-07	22-Jul-08 U.S. Filing Due	U.S. Filing Due
xxxxxx.0170	10/940111	22-Jul-08	22-Jul-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.1401	10/901416	22-Aug-06	22-Jul-08 Review for Broad Reissue	Review for Broad Reissue
xxxxxx.0125	XXXXXX73.9	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0224	XXXXXX122	22-Apr-08	22-Jul-08 Form IB/301	Form IB/301
xxxxxx.0224	XXXXXX122	22-Apr-08	22-Jul-08 Form ISA/202	Form ISA/202
xxxxxx.0218	XXXXXX108	22-Apr-08	22-Jul-08 Form ISA/202	Form ISA/202

xxxxxx.1142	xxxxxxxxxx074	22-Jul-08	22-Jul-08 (F) Notice of Allowance	Case Allowed
xxxxxx.1285	xxxxxxxx31.8	28-Jan-03	(F) Change of Ownership	Confirm Change is Recorded
xxxxxx.0108	xxxxxxxx29-2	22-Jul-05	22-Jul-08 Request Examination	Request Examination
xxxxxx.0112	xxxxxxxxxx224	22-Jul-05	22-Jul-08 Request Examination	Request Examination
xxxxxx.0114	xxxxxxxxx007	22-Jul-05	22-Jul-08 Deferred Exam	Deferred Exam
xxxxxx.0113	10/816512	22-Jul-08	22-Jul-08 US-Pre-Appeal Brief	Pre-Appeal Brief Req. Review
xxxxxx.0254	XXXX/XXX989	22-Jul-08	22-Jul-08 (F) Transmittal to Client	Transmittal to Client
xxxxxx.0676	29/277711	29-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.0146	10/911464	29-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.9002	XXXXXXXXX121	22-Jul-08	22-Jul-08 Abandoned	Abandoned
xxxxxx.9037	xxxxxxxx39.5	22-Jul-08	22-Jul-08 Abandoned	Abandoned

xxxxxx.0333	90/007910	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0468	90/008173	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0561	90/008928	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0141	10/896223	29-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.0115	XX/XXXXX187	22-Jul-08	22-Jul-08 by BB	Maint/Annuity not paid by BB
xxxxxx.1012	10/571502	22-Apr-08	22-Jul-08 Action	US-3 Month Office 3 Month Due Date
xxxxxx.0185	11/924970	22-Jul-08	22-Jul-08 US-IDS Not Applicable	IDS Not Applicable
xxxxxx.0332	90/007903	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.2148	10/258510	22-Jul-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.3307	XXXXXXX506	22-Dec-08	(F) Official Action (NON- EXT)	Official Action Issued
xxxxxx.3297	11/788093	20-Jun-07	US-2 Month Missing	Assignment Filed Follow Up

					Issue Fee Follow Up
xxxxxx.0424	11/24/2659	25-Oct-07	22-Jul-08	US-Allowance	
xxxxxx.1235	12/018021	22-Jan-08	22-Jul-08	Foreign Filing	6 Mo. Foreign Filing Reminder
xxxxxx.0114	XXXXXXX/X007	22-Jul-08	22-Jul-08	Divisional Application	File Divisional Application
xxxxxx.0549	XXX/XXXX/XXX15	22-Jul-08	22-Jul-08	ISR/Written Opinion Received	ISR/Written Opinion Received
xxxxxx.8203	11/270320	22-Jul-08	22-Jul-08	US-Formal Drawings Filed	Formal Drawings Filed
xxxxxx.0201	10/502991	22-Apr-08	22-Jul-08	US-3 Month Office Action	3 Month Due Date
xxxxxx.0201	10/502991	22-Apr-08	22-Jul-08	US-3 Month Office Action	3 Month Due Date
xxxxxx.1238	12/018005	22-Jan-08	22-Jul-08	Foreign Filing	6 Mo. Foreign Filing Reminder
xxxxxx.0124	11/1220111	22-Apr-08	22-Jul-08	US-Final Office Action	3 Month Notice of Appeal
xxxxxx.2673	XXXX-XX293	22-Jul-03	22-Jul-08	Deferred Exam	Deferred Exam

xxxxxx.0630	XXXXX317	23-Jul-08	22-Jul-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1352	11/100479	22-Apr-08	22-Jul-08 US-Allowance	Issue Fee Due
xxxxxx.1834	112/107531	22-Apr-08	22-Jul-08 Assignment	Assignment
xxxxxx.1834	112/107531	22-Apr-08	22-Jul-08 Declaration/power of attorney	Declaration/power of attorney
xxxxxx.1834	112/107531	22-Apr-08	22-Jul-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.1352	11/100479	22-Apr-08	22-Jul-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.0224	11/373259	22-Apr-08	22-Jul-08 US-Allowance	Issue Fee Due
xxxxxx.0739	11/958186	22-Apr-08	22-Jul-08 US-Filing Receipt Received	Filing Receipt Received
xxxxxx.0825	XXXX729	08-Apr-08	22-Jul-08((F) Notice of Allowance Transmittal to Client	
xxxxxx.2280	10/333030	22-May-08	22-Jul-08 US-3 Month Office Action	1 Month to Due Date
xxxxxx.0646	11/625601	22-Jan-07	22-Jul-08 Notice of Publication	Notice of Publication

xxxxxx.2747	XXXXXXX/XXX18	23-Jan-06	22-Jul-08 Filing	Chapter II Nat/Reg
xxxxxx.0139	08/274105	23-Jan-08	22-Jul-08 Tax11.5	LAST DAY OF GRACE
xxxxxx.0456	XXXXXXXXXX898	22-Jul-08	22-Jul-08 Registration	Decision/No Registration in HK
xxxxxx.3722	XXX-XXX986	22-Oct-08	22-Jul-08 (F) Official Action	Official Action Issued
xxxxxx.0413	60/958199	22-Jul-08	US-Notice of Abandonment	Notice of Abandonment
xxxxxx.0923	12/018184	22-Jan-08	22-Jul-08 Formal Drawings Due	Formal Drawings Follow Up Date
xxxxxx.0124	XXXX/XX124	22-Jul-08	22-Jul-08 Received	ISR/Written Opinion Received
xxxxxx.1362	11/828757	22-Jul-08	22-Jul-08 US-Supp. IDS Filed	Return Postcard
xxxxxx.2239	29/267982	22-Jul-08	22-Jul-08 US-Allowance	Notice of Allowance
xxxxxx.0114	12/171134	22-Jul-08	US-2 Month Missing	2 Month Missing Parts
			22-Jul-08 Parts	

xxxxxx.0139	11/1251137	22-Jul-08	22-Jul-08 US-Advisory Action	Advisory Action
xxxxxx.0930	XXX/XXX/XXX49	22-Feb-06	22-Jul-08 Filing	Chapter II Nat/Reg
xxxxxx.1433	11/075149	22-Jul-08	22-Jul-08 US-3 Month Office	Chapter II Nat/Reg Filing
xxxxxx.0109	11/110199	22-Jul-08	22-Jul-08 US-3 Month Office	Rejection Mailed
xxxxxx.0300	11/775046	22-Jul-08	22-Jul-08 Action	Rejection Mailed
xxxxxx.0300	11/775046	22-Jul-08	22-Jul-08 US-Allowance	Notice of Allowance
xxxxxx.0855	110/876919	22-Jul-08	22-Jul-08 US-Allowability	Notice of Allowability
xxxxxx.1224	XXXXXX24.2	23-Apr-08	22-Jul-08 US-Issue Notification	Issue Notification
xxxxxx.1226	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.1513	11/217142	22-Apr-08	22-Jul-08 US-Allowance	Issue Fee Due
xxxxxx.1513	11/217142	22-Apr-08	22-Jul-08 US-Allowance	Notice/Publ. Fee Due

xxxxxx.1222	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.0519	11/536154	07-Feb-08	22-Jul-08 US-Final Office Action	2 Weeks to Final Date
xxxxxx.1225	XXXXXX24.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.1514	XXXXXX10.2	23-Apr-08	22-Jul-08 EP-National Validation	National Validation Completed
xxxxxx.0216 F	XXXXXX28.3	22-Aug-07	22-Aug-08 by BB	Maint/Annuity not paid by BB
xxxxxx.0569	11/102062	22-May-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.0102 1	11/425271	22-Feb-07	22-Aug-08 US-IDS Filed	3 Month Due Date
xxxxxx.0102	09/587811	22-Mar-05	22-Aug-08 Correction	Information Dis Follow Up Date
xxxxxx.0494	10/805825	22-May-08	22-Aug-08 Action	US-3 Month Office
				3 Month Due Date

xxxxxx.1749	XXXX/XX614	22-Jan-07	22-Aug-08: IB/311	Publication with Form Publication with Form	IB/311
xxxxxx.0394		23-Aug-08	22-Aug-08 (F) Response	Response Due Final	
xxxxxx.0395	10/972642	14-Aug-08	22-Aug-08 (F) Response	US-RCE (Req. Cont'd)	
xxxxxx.0977	XXXXXX71.7	22-Feb-06	22-Aug-08 Regional Stage Entry	Regional Stage Entry in EP	
xxxxxx.0145	XXXXXXX09-0	12-Sep-08	22-Aug-08 (F) Grant/Issue Fees	Transmittal to Client	
xxxxxx.2609	XXXXXX45.7	04-Aug-08	22-Aug-08 months	(F) Official Action - 4 US-Request for Review Correspondence	
xxxxxx.0152 1	10/453769	22-Aug-08	22-Aug-08 Consideration	Request for Consideration	
xxxxxx.0139 1	11/251137	22-Apr-08	22-Aug-08 US-Final Office Action	1st Extension	
xxxxxx.1364	11/199139	22-Feb-08	22-Aug-08 Action	US-3 Month Office 6 Month Final	

					(F) Deadline for Acceptance	
xxxxxx.1436	XXXXXXX120		22-Nov-08	22-Aug-08	Acceptance	Due Date for Acceptance
xxxxxx.0125	XXXXXXX549		22-Dec-06	22-Aug-08	Chapter I Nat/Reg Filing	Chapter I Nat/Reg Filing
xxxxxx.0163	10399243		22-Feb-08	22-Aug-08	Action	
xxxxxx.0167	11231519		22-Apr-08	22-Aug-08	US-RCE (Req. Cont'd (Exam))	6 Month Final
xxxxxx.3396	60970812		07-Sep-07	22-Aug-08	Foreign Filing	Appln Status Check/No Term Ext
xxxxxx.0431	10868562		08-Apr-08	22-Aug-08	US-Final Office Action	Foreign Filing Due - LA
xxxxxx.0998	12053570		22-Mar-08	22-Aug-08	Filing Receipt Rec'd	Letter to Client Due
xxxxxx.0254	11277829		07-Mar-08	22-Aug-08	Action	Filing Receipt Rec'd
xxxxxx.0474	10926460		28-Jan-08	22-Aug-08	US-3 Month Office Action	2 Weeks to Final Date
xxxxxx.0185	XXXXXX421		23-Aug-08	22-Aug-08	EARS Annuity Due	US-4 Mo. Response Status Check
					EARS Next Annuity Due	

xxxxxx.0187	10/392522	22-Aug-08	22-Aug-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.1247	10/302976	22-Aug-08	22-Aug-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0643	12/035612	22-Feb-08	22-Aug-08 Assignment	Assignment Follow Up Date
xxxxxx.0643	12/035612	22-Feb-08	22-Aug-08 Foreign Filing	6 Mo. Foreign Filing Reminder
xxxxxx.1080	12/125813	22-May-08	22-Aug-08 Formal Drawings Due	Formal Drawings Due Stmt
xxxxxx.1080	12/125813	22-May-08	22-Aug-08 Information Disclosure Stmt	Information Disclosure Stmt
xxxxxx.2457	XXX/XXX/XXX20	22-Jul-08	PCT Article 19	Article 19 Amendment Due
xxxxxx.0682	11/677318	22-Aug-08	US-3 Month Office	Rejection Mailed
xxxxxx.0461	11/467056	22-Aug-08	US-3 Month Office	Rejection Mailed

xxxxxx.0989	12/053567	22-Mar-08	22-Aug-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.0104	61/030715	22-Feb-08	22-Aug-08 6 Mo Reminders	6 mo. Foreign Filing Reminder
xxxxxx.0104	61/030715	22-Feb-08	22-Aug-08 6 Mo Reminders	6 mo. U.S. Filing Reminder
xxxxxx.2689	11/042922	22-Feb-08	22-Aug-08 US-Final Office Action	6 Month Final Date
xxxxxx.1973	12/049400	22-Aug-08	22-Aug-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.2499	XXXXXX82.7	22-Aug-08	22-Aug-08 Record in Hong Kong	Record in Hong Kong
xxxxxx.3533	XXXXXX81-8	15-Oct-08	22-Aug-08 (F) New Application	Filing Receipt Received
xxxxxx.0949	12/027427	22-Feb-08	22-Aug-08 US-2 Mo Correct. Appln. Papers	4th Extension
xxxxxx.1096	12/196735	22-Aug-08	22-Aug-08 US-File Application	File Application
xxxxxx.0119	XX/XXXX/XXX84	23-Jul-08	22-Aug-08 (F) Official Action Final	Response/Amendment
xxxxxx.1581	11/734517	22-Aug-08	22-Aug-08 US-DS Filed	IDS Filed

xxxxxx.3473	XXXXXXX85-9	22-Feb-08	22-Aug-08 (F) New Application	Filing Receipt Received
xxxxxx.0188	11/389732	22-Feb-07	22-Aug-08 US-IDS Filed	Information Dis Follow Up
xxxxxx.0949	12/027427	07-Feb-08	22-Aug-08 Filing Receipt Rec'd	Filing Receipt Follow Up Date
xxxxxx.3480	XXXXXXX90	05-Sep-08	22-Aug-08 (F) Grant/Issue Fees	Pay Grant/Issue Fees
xxxxxx.3788	12/247513	22-Aug-08	22-Aug-08 US-File Application	File Application
xxxxxx.3789	12/199437	22-Aug-08	22-Aug-08 US-File Application	File Application
xxxxxx.3789	12/253844	22-Aug-08	22-Aug-08 US-File Application	File Application
xxxxxx.0417	11/536681	22-Feb-08	22-Aug-08 US-Final Office Action	6 Month Final Date
xxxxxx.0417	11/536681	22-Feb-08	22-Aug-08 US-Final Office Action	Formal Drawings Final
xxxxxx.2407	11/715033	22-Aug-08	US-3 Month Office Action	Rejection Mailed
xxxxxx.0512	10/871405	22-Aug-08	US-Certif to Correct Not Filed	Certif/Correction Not Filed

xxxxxx.0396	11/140427	22-Aug-08	22-Aug-08 Action	US-3 Month Office	Rejection Mailed
xxxxxx.0134	11/740880	22-Aug-08	22-Aug-08 (Exam)	US-RCE (Req. Cont'd)	RCE (Req. Cont'd Exam)
xxxxxx.0745	10/051682	22-Aug-08	22-Aug-08 US-IDS Filed	US-IDS Filed	IDS Filed
xxxxxx.1555	12/207604	21-Aug-08	22-Aug-08 Client	US-Draft Appln/Amdt. to	Recvd. Inventors
xxxxxx.0102	12/196851	22-Aug-08	22-Aug-08 Filed	US-Nonpublication Req.	Nonpublication Request
xxxxxx.1364	11/199139	22-Aug-08	22-Aug-08 Action	US-3 Month Office	Formal Drawings Final
xxxxxx.0111	11/195658	07-Mar-08	22-Aug-08 Action	US-3 Month Office	2 Weeks to Final Date
xxxxxx.0119	90/008343	22-Aug-08	22-Aug-08 Action	US-2 Month Office	Rejection
xxxxxx.1324	61/092249	22-Aug-08	22-Aug-08 Filing	US-Decision/No Foreign	Decision/No Foreign Filing

xxxxxx.1791	12/206122	15-Jan-07	22-Aug-08 US-File Application	Draft Sent to Client
xxxxxx.0109	10/387599	15-Jan-07 22-Feb-05	22-Aug-08 US-File Application 22-Aug-08 Tax 3.5	Formals Sent to Client Tax 3.5
xxxxxx.0294	11/403842	22-Aug-08	22-Aug-08 US-Allowance	Notice of Allowance
xxxxxx.0324	12/089844	22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed
xxxxxx.0245	11/189329	22-Aug-08	22-Aug-08 US-3 Month Office Action	US-3 Month Office Rejection Mailed
xxxxxx.2738	11/182264	22-Aug-08	22-Aug-08 Consideration	US-Request for Consideration Request for Consideration
xxxxxx.0123	XXXXXX05.8	23-Jun-08	22-Aug-08 EP - Rule 70(2) - 2 Mo.	Proceed with EP App. Final
xxxxxx.0392	10/725901	22-Aug-08	US-Certif to Correct Not Filed	Certif / Correction Not Filed
xxxxxx.0184	XXX/XXXX/XXX95	08-Jul-08	ISR/Written Opinion 22-Aug-08 Received	Argument/Art. 34 Amend. Due
xxxxxx.0184	XXX/XXXX/XXX95	08-Jul-08	ISR/Written Opinion 22-Aug-08 Received	Demand for Examination Due

xxxxxx.0779	10/323191	22-Aug-08	22-Aug-08 US-Advisory Action	Advisory Action
xxxxxx.2377	11/673720	22-Aug-08	22-Aug-08 US-Allowance	Notice of Allowance
xxxxxx.2063	11/364706	22-Aug-08	22-Aug-08 US-3 Month Office Action	Rejection Mailed
xxxxxx.1288	10/766934	22-Aug-08	22-Aug-08 (Exam) US-RCE (Req. Cont'd)	RCE (Req. Cont'd Exam)
xxxxxx.6973	10/888629	22-Aug-08	22-Aug-08 US-Advisory Action	Advisory Action
xxxxxx.0539		23-Aug-08	22-Aug-08 (F) New Application	National Stage Entered
xxxxxx.3761	XXXX387	22-Apr-08	22-Aug-08 (F) New Application	Formal Documents to Client
xxxxxx.2195	10/352343	22-May-08	22-Aug-08 US-Allowance	Issue Fee Due
xxxxxx.2195	10/352343	22-May-08	22-Aug-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.1288	10/766934	22-May-08	22-Aug-08 US-Final Office Action	3 Month Notice of Appeal
xxxxxx.1288	10/766934	22-May-08	22-Aug-08 US-Final Office Action	Formal Drawings Due

xxxxxx.0512	xxxxxx/x007	22-Aug-05	22-Aug-08: Deferred Exam	Deferred Exam
xxxxxx.0353	11/420618	22-Aug-08	22-Aug-08 Exam)	RCE (Req. Cont'd)
xxxxxx.7624	11/074502	08-Jul-08	22-Aug-08 US-Pre-Appeal Brief	Pre-Appeal Brief Decision
xxxxxx.2108	11/677872	22-Feb-07	22-Aug-08 Notice of Publication	Notice of Publication
xxxxxx.2108	11/677872	22-Feb-07	22-Aug-08 Information Disclosure Stmt	Information Dis Follow Up
xxxxxx.0672	11/677908	22-Feb-07	22-Aug-08 Notice of Publication	Notice of Publication
xxxxxx.0565	09/467263	22-Jan-01	22-Aug-08 IMPORTANT	past due, 7.5 MF
xxxxxx.0134	10/849346	22-Feb-05	22-Aug-08 Tax 3.5	Tax 3.5
xxxxxx.0111	12/033204	22-Aug-08	22-Aug-08 Parts	US-2 Month Missing
xxxxxx.1357	xxxxx684	22-Aug-08	22-Aug-08 (F) Grant/Issue Fees	2 Month Missing Parts
xxxxxx.0676	xxxxxx/x008	06-Sep-08	22-Aug-08 (F) Response	Confirmation of Instructions
				Response Due

xxxxxx.0739	11/958186	22-Jan-08	22-Aug-08 Parts	US-2 Month Missing	Drawings Final Date
xxxxxx.0739	11/958186	22-Jan-08	22-Aug-08 Parts	US-2 Month Missing	Oath/Declaration Final Date
xxxxxx.0549	XXX/XXXX/XXX15	22-Jul-08	22-Aug-08 Amendment	PCT Article 19	Article 19 Amendment Due
xxxxxx.0379	XXXXXXX055	07-Mar-08	22-Aug-08 (F) New Application	Filing Receipt Received	
xxxxxx.0123	XXXXXX05.8	23-Jun-08	22-Aug-08 EP - Rule 70(2) - 2 Mo.	Proceed with EP App. Final	
xxxxxx.0559	12/191138	22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed	
xxxxxx.1008	1/1533062	22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed	
xxxxxx.0520	XXXXXX038	23-Feb-06	22-Aug-08 Foreign Filing	Chapter II Nat/Reg Filing	
xxxxxx.0312	60/970856	07-Sep-07	22-Aug-08 Foreign Filing	Foreign Filing Due - LA	
xxxxxx.1082	11/1532781	18-Sep-06	22-Aug-08 Smtnt	Information Disclosure Date	Information Dis Follow Up
xxxxxx.0628	11/147093	27-May-08	22-Aug-08 Action	US-3 Month Office	Draft Sent to Inventors

xxxxxx.0125	11/27/5287	22-Aug-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.0350	XXXXXX/X008	05-Sep-08	22-Aug-08 (F) Response	Rejection Mailed
xxxxxx.2499	XXXXXX827	23-Feb-08	22-Aug-08 Record in Hong Kong	Record in Hong Kong
xxxxxx.6591	1.11/134865	22-Aug-08	22-Aug-08 US-Pre-Appeal Brief	Pre-Appeal Brief Req.
xxxxxx.0104	10/368898	22-Aug-08	22-Aug-08 US-Abandon Patent	Abandon Patent
xxxxxx.0380	XXXXXXXXXX664	22-Aug-08	22-Aug-08 Mos. (F) Published for Opp. 3	Published for Opposition
xxxxxx.0103	XXXXXXX803	22-Aug-08	PCT RO/102 & RO/105	PCT Forms RO/102 & RO/105
xxxxxx.0103	XXXXXXX803	22-Aug-08	PCT Form ISA/202	PCT Form ISA/202 Follow-Up
xxxxxx.7013	08/747268	22-Aug-08	22-Aug-08 US-Assignment Filed	Assignment Filed
xxxxxx.1250	11/805359	14-May-08	22-Aug-08 Action	US-3 Month Office
				Letter to Client Due

xxxxxx.1520	12/191529	08-Jun-08	22-Aug-08	US-Draft Appln/Amdt. to Client	Letter to Client Due
xxxxxx.0195	10/444693	22-May-08	22-Aug-08	US-Notice/Non-Compliant Appeal	Res. Non-Comp App Brief-2nd ex
xxxxxx.0105	12/191675	14-Aug-08	22-Aug-08	US-Application Filed	Letter to Client Due
xxxxxx.0704	11/766841	22-Jun-07	22-Aug-08	Appln Status Check ('14 Mo.)	Appln Status Check ('14 Mo.)
xxxxxx.0520	XXXX/XX038	23-Aug-08	22-Aug-08	(F) Voluntary Amendment	Voluntary Amendment Due
xxxxxx.0118		23-Aug-08	22-Aug-08	(F) Response	Response Due Final
xxxxxx.2280	10/333030	22-May-08	22-Aug-08	US-3 Month Office Action	3 Month Due Date
xxxxxx.0120	11/173780	10-Dec-07	22-Aug-08	US-Allowance	Issue Fee Follow Up
xxxxxx.0112	11/775014	22-Aug-08	22-Aug-08	US-Election/Restriction	Election/Restriction Mailed

xxxxxx.2456	XXX/XXX/XXX/XXX20	22-Jul-08	22-Aug-08	PCT Article 19	Article 19 Amendment Due
xxxxxx.1544	XXXXXX44.0	23-Apr-08	22-Aug-08	(F) Official Action - 4 months	Response/Amendment - Ext Filed
xxxxxx.0195	11/620927	22-May-08	22-Aug-08	US-Review Foreign Art months)	Review Foreign Art (3 months)
xxxxxx.2071	11/473955	22-May-08	22-Aug-08	US-Allowance	Issue Fee Due
xxxxxx.0362	12/194908	22-May-08	22-Aug-08	US-Allowance	Notice/Publ. Fee Due
xxxxxx.0447	XXXXXX21.8	22-Aug-08	22-Aug-08	US-File Application	File Application
xxxxxx.1154	11/624438	22-Aug-08	22-Aug-08	US-3 Month Office Action	Annuity Fee Due
xxxxxx.3385	XXX/XXX/XXX58	22-Jul-08	22-Aug-08	PCT Article 19	Rejection Mailed
xxxxxx.1369	11/235096	22-Feb-07	22-Aug-08	US-IDS Filed	Article 19 Amendment Due Information Dis Follow Up Date

xxxxxx.0583	XXXXXX62.9	23-Aug-06	22-Aug-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0417	11/536681	22-Aug-07	22-Aug-08 Action	US-1 Month Office
xxxxxx.0487	60/957271	22-Aug-07	22-Aug-08 U.S. Filing Due	U.S. Filing Due
xxxxxx.0558	12/191075	22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed
xxxxxx.0577	11/478037	14-May-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.0228	XXXXXX987	11-Aug-08	22-Aug-08 Received	ISR/Written Opinion
xxxxxx.0380	XXXX-XXX164	07-Mar-08	22-Aug-08 (F) New Application	Filing Receipt Received
xxxxxx.0143	11/276272	12-Jun-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.2095	XXXXXX37.0	23-Aug-08	22-Aug-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.2096	XXXX105	23-Aug-08	22-Aug-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0205		22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed

xxxxxx.1763	XXXXXX43.3	16-Apr-08	22-Aug-08 (F) New Application	Filing Receipt Received
xxxxxx.0112	11/539464	22-Jan-08	22-Aug-08 Action	US-4 Mo. Response Status
xxxxxx.0102	10/665553	22-Feb-05	22-Aug-08 Tax 3.5	Check Tax 3.5
xxxxxx.0103	12/196917	22-Aug-08	22-Aug-08 Filed	US-3 Month Office Nonpublication Req.
xxxxxx.1106	10/492692	22-Aug-08	22-Aug-08 US-Advisory Action	Nonpublication Request Filed
xxxxxx.3691	XXXXXXX33.3	05-Sep-08	22-Aug-08 (F) Priority Document	Advisory Action
xxxxxx.0144	11/2184628	22-Aug-08	22-Aug-08 US-2 Month Missing	
xxxxxx.0259	XXXXXX68.9	18-Aug-08	22-Aug-08 (F) New Application	File Priority Document
xxxxxx.1150	XXXXXXX/XXX33	08-Jul-08	22-Aug-08 PCT Form RO/106	2 Month Missing Parts
				Assoc. Req. Designations
				Correct Defects in Request

xxxxxx.0104	12/196981	22-Aug-08	22-Aug-08 Filed	US-Nonpublication Req.	Nonpublication Request Filed
xxxxxx.0106	11/068144	22-Aug-08	22-Aug-08 US-Final Office Action	Final Rejection	
xxxxxx.3353	12/141281	22-Aug-08	22-Aug-08 Recorded A	US-Assignment	Assignment Recorded A
xxxxxx.3530	XXXXXX998	23-Jun-08	22-Aug-08 (F) Official Action	Response/Amendment	Final w/ext
xxxxxx.0427	11/677981	22-Feb-07	22-Aug-08 Notice of Publication	Notice of Publication	
xxxxxx.1012	10/571502	22-Apr-08	22-Aug-08 Action	US-3 Month Office	1st Extension
xxxxxx.2071	11/473955	22-Aug-08	22-Aug-08 Due	US-Fee Address Form	Fee Address Form Due
xxxxxx.8250	09/420223	22-Feb-05	22-Aug-08 Tax 3.5		Tax 3.5
xxxxxx.0783	11/562722	22-May-08	22-Aug-08 US-Allowability	Comments/Allowance	
xxxxxx.0783	11/562722	22-May-08	22-Aug-08 US-Allowance	Issue Fee Due	

xxxxxx.0783	11/1562722	22-May-08	22-Aug-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.0111	XXXXX249	03-Jan-09	22-Aug-08 (F) Official Action	Transmittal to Client
xxxxxx.0486	10/950072	22-May-08	22-Aug-08 US-Allowance	Issue Fee Due
xxxxxx.0228	10/280803	22-Feb-05	22-Aug-08 Tax 3.5	Tax 3.5
xxxxxx.0668	11/109550	22-Aug-08	22-Aug-08 Action	Rejection Mailed
xxxxxx.0115	12/116647	22-Aug-08	22-Aug-08 US-Supp. IDS Filed	Supp. IDS Filed
xxxxxx.0446	11/228621	22-Aug-08	22-Aug-08 (Exam)	US-RCE (Req. Cont'd)
xxxxxx.0147	10/988427	22-Aug-08	22-Aug-08 US-Supp. IDS Filed	RCE (Req. Cont'd Exam)
xxxxxx.0101	11/11/565842	22-Aug-08	22-Aug-08 US-Final Office Action	Supp. IDS Filed
xxxxxx.1425	11/862337	22-Aug-08	22-Aug-08 US-Allowance	Final Rejection
xxxxxx.1425	11/862337	22-Aug-08	22-Aug-08 US-Allowability	Notice of Allowance
xxxxxx.1777	11/046277	22-Apr-08	22-Aug-08 Action	Notice of Allowability
			US-3 Month Office	1st Extension

xxxxxx.0112	12/0333193	22-Aug-08	22-Aug-08 Parts	US-2 Month Missing	2 Month Missing Parts
xxxxxx.0123	11/469033	22-Jan-08	22-Aug-08 Action	US-3 Month Office	US-4 Mo. Response Status Check
xxxxxx.1302	12/107433	22-Apr-08	22-Aug-08 Priority Claim on Spec	Priority Claim on Spec	Review Foreign Art (30 days)
xxxxxx.1746	11/744365	23-Jul-08	22-Aug-08 US-Review Foreign Art	US-3 Month Office	Review Foreign Art (30 days)
xxxxxx.0221	11/316301	22-Aug-08	22-Aug-08 Action	US-3 Month Office	Rejection Mailed
xxxxxx.0592	29/210940	22-Aug-08	22-Aug-08 Action	US-3 Month Office	Rejection Mailed
xxxxxx.0466	12/185430	22-Aug-08	22-Aug-08 Parts	US-2 Month Missing	2 Month Missing Parts
xxxxxx.7182	10/888721	22-Aug-08	22-Aug-08 US-Final Office Action	Final Rejection	
xxxxxx.1834	11/2107531	22-Apr-08	22-Aug-08 Priority Claim on Spec.	Priority Claim on Spec.	
xxxxxx.6712	10/888265	22-Aug-08	22-Aug-08 US-Final Office Action	Final Rejection	

xxxxxx.0136	10/837551	22-Aug-08	22-Aug-08	US-Advisory Action	Advisory Action
xxxxxx.6962	10/830127	22-Aug-08	22-Aug-08	Action	Rejection Mailed
xxxxxx.2581	12/035637	22-Feb-08	22-Aug-08	Assignment	Assignment Follow Up Date
xxxxxx.2264	11/406487	23-Nov-07	22-Aug-08	US-Allowance	Issue Fee Follow Up
xxxxxx.6561	10/401930	22-Aug-08	22-Aug-08	US-Allowance	Notice of Allowance
xxxxxx.6561	10/401930	22-Aug-08	22-Aug-08	US-Allowability	Notice of Allowability
xxxxxx.1612	11/133915	22-Aug-08	22-Aug-08	US-Final Office Action	Final Rejection
xxxxxx.0174	XXX/XXX/XXX20	22-Aug-08	22-Aug-08	Received	ISR/Written Opinion Received
xxxxxx.0109	11/311594	22-Apr-08	22-Aug-08	US-RCE (Req. Cont'd Exam)	Appln Status Check/No Term Ext
xxxxxx.6590	11/132633	22-May-08	22-Aug-08	Action	3 Month Due Date
				US-3 Month Office	

xxxxxx.3325	11767461	22-Jun-07	22-Aug-08 (Mo.)	Appn Status Check (14 Mo.)
xxxxxx.1228	XXXX681	22-Aug-07	22-Aug-08 (F) Status Check	Status Review of File
xxxxxx.0187	10/807561	22-Aug-08	22-Aug-08 US-Examiner's Answer	Examiner's Answer
xxxxxx.0119	10/360079	22-Aug-08	22-Aug-08 US-Certif to Correct Not Filed	US-Certif to Correct Not Filed
xxxxxx.0210	10/941324	22-Aug-08	22-Aug-08 US-Certif to Correct Not Filed	Certif./Correction Not Filed
xxxxxx.0114	60/970881	07-Sep-07	22-Aug-08 Foreign Filing	Foreign Filing Due - LA
xxxxxx.1288	10/766934	22-Jul-08	22-Aug-08 US-Appeal Brief	1 Month Reminder/Appeal Brief
xxxxxx.1640	11/678732	23-Jul-08	22-Aug-08 US-Review Foreign Art	Review Foreign Art (30 days)
xxxxxx.0201	10/502991	22-Apr-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.1081	11/532751	18-Sep-06	22-Aug-08 Stmtnt	Information Disclosure Stmtnt Date
				Information Dis Follow Up

							Fee Due in 2 Months
xxxxxx.2239	29/267982	22-Jul-08	22-Aug-08	US-Allowance			
xxxxxx.0102	11/505123	22-Aug-08	22-Aug-08	from PTO	US-Communication	Communication re:	
xxxxxx.1614	XXXXXX762	23-Aug-08	22-Aug-08	US-Election/Restriction	(F) Request Examination	Request for Exam Final	
xxxxxx.0166	11/275700	23-Apr-08	22-Aug-08	EARS Annuity Due	3rd Extension		
xxxxxx.0181	09/955395	22-Aug-08	22-Aug-08	EARS Annuity Due	EARS Next Annuity Due		
xxxxxx.0148	10/277539	22-Aug-08	22-Aug-08	EARS Annuity Due	EARS Next Annuity Due		
xxxxxx.0109	XXXXXX006	23-Aug-08	22-Aug-08	EARS Annuity Due	EARS Next Annuity Due		
xxxxxx.0107	XXXXXX264	23-Aug-08	22-Aug-08	EARS Annuity Due	EARS Next Annuity Due		
xxxxxx.0376	10/696375	22-Aug-08	22-Aug-08	Filed	US-Certif to Correct Not Certif./Correction Not Filed		

Information Dis Follow Up					
Final Rejection Date	Notice of Allowance	US-Change of Corresp. Address	Official Action Issued	6 Month Final	Information Dis Follow Up
xxxxxx.0201 11/16/19390	22-Feb-07	22-Aug-08 US-IDS Filed			
xxxxxx.0239 10/11/2366	22-Aug-08	22-Aug-08 US-Final Office Action			
xxxxxx.2702 10/6/11651	22-Aug-08	22-Aug-08 US-Allowance			
xxxxxx.1535 12/165760	22-Aug-08	22-Aug-08 Address			
xxxxxx.1876 XX/X/XXX/XXX6	22-Aug-08	22-Aug-08 (F) Official Action			
xxxxxx.1096 10/488136	22-Feb-08	22-Aug-08 Action			
xxxxxx.1096 10/488136	22-Feb-08	22-Aug-08 Action			
xxxxxx.0104 11/170413	22-Feb-07	22-Aug-08 US-IDS Filed			
xxxxxx.1247 10/302976	22-Feb-05	22-Aug-08 Tax 3.5			
xxxxxx.0126 10/082386	22-Feb-05	22-Aug-08 Tax 3.5			
xxxxxx.0105 11/1425288	22-Feb-07	22-Aug-08 US-IDS Filed			

xxxxxx.0216	XXXXXX28.3	22-Aug-07	22-Aug-08	Maint/Annuity not paid by BB
xxxxxx.0216	XXXXXX28.3	22-Aug-07	22-Aug-08	Maint/Annuity not paid by BB
xxxxxx.1083	111532795	18-Sep-06	22-Aug-08 Stmt	Information Disclosure
xxxxxx.0187	10/392522	22-Feb-05	22-Aug-08 Maintenance fee	Information Dis Follow Up Date
xxxxxx.0148	10/277539	22-Feb-05	22-Aug-08 Maintenance fee	TAX 3.5
xxxxxx.0672	11/677908	22-Feb-07	22-Aug-08 Stmt	Information Disclosure
xxxxxx.0165	02821207	22-Aug-08	22-Aug-08 months	Information Dis Follow Up Date
xxxxxx.0116	XXX/XXXX/XXX96	08-Jul-08	(F) Official Action - 2	Official Action Issued
xxxxxx.0116	XXX/XXXX/XXX96	08-Jul-08	ISR/Written Opinion Received	Argument/Art. 34 Amend. Due
xxxxxx.0116	XXX/XXXX/XXX96	08-Jul-08	22-Aug-08 Received	Demand for Examination Due
xxxxxx.0189	11/389733	22-Feb-07	22-Aug-08 US-IDS Filed	Information Dis Follow Up Date

xxxxxx.0413	101856408 09/955395	22-May-08 22-Feb-05	22-Aug-08 US-Allowance 22-Aug-08 Tax 3.5	Issue Fee Due Tax 3.5
xxxxxx.0216	XXXXXX982	11-Aug-08	22-Aug-08 Received	ISW/Written Opinion Transmittal to Client
xxxxxx.0106	XXXX078	23-Aug-08	22-Aug-08 EARS Annuity Due	EARS Next Annuity Due
xxxxxx.0413	101856408	22-May-08	22-Aug-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.1389	11/655402	15-Aug-08	22-Aug-08 US-IDS Due	Letter to Client Due
xxxxxx.1518	12/183599	14-Aug-08	22-Aug-08 US-Assignment Due	Letter to Client Due
xxxxxx.0128	11/815015	14-Aug-08	22-Aug-08 US-IDS Filed	Letter to Client Due
xxxxxx.0134	11/740880	14-Aug-08	22-Aug-08 US-IDS Filed	Letter to Client Due
xxxxxx.0125	11/813867	14-Aug-08	22-Aug-08 US-IDS Filed	Letter to Client Due
xxxxxx.0124	11/1220111	23-Jul-08	22-Aug-08 Summary US-Examiners Interview	Letter to Client Due

xxxxxx.0132	11/142939	22-Feb-08	22-Aug-08 Action	US-3 Month Office	6 Month Final
xxxxxx.6568	10/995746	22-Aug-08	22-Aug-08 US-IDS Filed	IDS Filed	
xxxxxx.0374	XXX/XXXX/XXX39	22-Aug-08	22-Aug-08 Received	ISR/Written Opinion Received	
xxxxxx.1474	12/008063	30-May-08	22-Aug-08 Action	US-3 Month Office	
xxxxxx.0458	XXXXXX/XX22.6	23-Aug-04	22-Aug-08 (F) Annuity Fee Due	Resp. Due to B. Kent	
xxxxxx.0380	XXXX-XXX164	07-Mar-08	22-Aug-08 (F) New Application	Formal Documents to Client	
xxxxxx.0382	XXXXXXX/XXX29.6	07-Mar-08	22-Aug-08 (F) New Application	Filing Receipt Received	
xxxxxx.0527	10/840728	07-Mar-08	22-Aug-08 US-Final Office Action	2 Weeks to Final Date	
xxxxxx.0335	12/116488	22-May-08	US-2 Month Missing Parts	Oath/Declaration Reminder	
xxxxxx.1176	11/709551	22-Aug-08	US-Notice of Publication	Notice of Publication Rec'd	

xxxxxx.1291	11/7/09552	22-Aug-08	22-Aug-08 Publication	US-Notice of Publication Rec'd
xxxxxx.2239	29/267982	22-Jul-08	22-Aug-08 US-Allowance	Correct Drawings Reminder
xxxxxx.0944	09/646442	08-Aug-08	22-Aug-08 US-Compliant Appeal	US-Notice/Non- Compliant Appeal
xxxxxx.0126	XXXXXX85.7	19-Aug-08	22-Aug-08 (F) New Application	Res. Non-Comp App. Brief 2 wks
xxxxxx.0263	XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	Assoc. Confirmed Recpt/Desig
xxxxxx.0263	XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	New POA Sent by ASSOC.
xxxxxx.0263	XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	New Drawings Due
xxxxxx.1020	12/053575	22-Mar-08	22-Aug-08 Filing Receipt Rec'd	POA Sent to Client
xxxxxx.0175	10/717680	22-Aug-08	22-Aug-08 US-Advisory Action	Filing Receipt Rec'd
xxxxxx.1059	12/053578	22-Mar-08	22-Aug-08 Filing Receipt Rec'd	Advisory Action
				Filing Receipt Rec'd

xxxxxx.3559	XXXXXXX80-1	22-Feb-08	22-Aug-08 (F) New Application	Filing Receipt Received
xxxxxx.1040	12/053571	22-Mar-08	22-Aug-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.2223	11/469496	22-Aug-08	22-Aug-08 Action	US-3 Month Office
xxxxxx.0103	1/1/42616	22-Feb-07	22-Aug-08 US-IDS Filed	Rejection Mailed
				Information Dis Follow Up
				Date



UNITED STATES PATENT AND TRADEMARK OFFICE

30 OCT 2008

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

065855,0354

BAKER BOTTS LLP
RECEIVED

NOV-5 2008

Paul A. Ragusa
Baker Botts LLP
30 Rockefeller Plaza
New York NY 10112

In re Application of:
BADGER, David, et al.
U.S. Application No.: 10/537,474
PCT No.: PCT/US2002/039248
International Filing Date: 06 December 2002
Priority Date: None claimed
Atty Docket No.: A35477 PCT (065855)
For: A SYSTEM AND METHOD FOR
INTER-RELATING MULTIPLE
DATA TYPES

DECISION ON PETITION TO
WITHDRAW HOLDING OF
ABANDONMENT
(37 CFR 1.181)

FOR J. Chen

This decision is issued in response to the "Petition To Withdraw Holding Of Abandonment Under 37 CFR 1.181(a)" filed 24 October 2008. A petition fee is not required.

BACKGROUND

On 06 December 2002, applicants filed international application PCT/US2002/039248. The international application did not claim an earlier priority date, and it designated the United States. The deadline for submission of the basic national fee was thirty months from the international filing date, i.e., 06 June 2005.

On 03 June 2005, applicants filed a Transmittal Letter for entry into the national stage in the United States accompanied by, among other materials, payment of the basic national fee.

On 14 April 2006, the United States Designated/Elected Office (DO/EO/US) mailed a "Notification Of Missing Requirements" (Form PCT/DO/EO/905) indicating that an oath or declaration in compliance with 37 CFR 1.497, the surcharge for filing the oath or declaration later than thirty months after the priority date, and additional claims fees were required. However, it appears that this Form PCT/DO/EO/905 was directed to an incorrect correspondence address.

On 22 January 2008, the DO/EO/US mailed a second "Notification Of Missing Requirements" (Form PCT/DO/EO/905) indicating that an oath or declaration in compliance with 37 CFR 1.497, the surcharge for filing the oath or declaration later than thirty months after the priority date, and additional claims fees were required. This Form PCT/DO/EO/905 was properly directed to the above-listed correspondence address of record, and it was accompanied

DOCKETED FOR

DEC 30 2008 BY ECG
Reg. for Reconsideration

by a "Withdrawal Of previously Sent Notice" vacating the improperly addressed Notification mailed 14 April 2006.

Applicants did not file a response to the Notification Of Missing Requirements mailed 22 January 2008 during the extendable response period provided in the Notification Of Missing Requirements.

On 26 September 2008, the DO/EO/US mailed a "Notice of Abandonment" (Form PCT/DO/EO/909) indicating that the application was abandoned based on applicants' failure to file a timely response to the Notification Of Missing Requirements mailed 22 January 2008.

On 24 October 2008, applicants filed the "Petition To Withdraw Holding Of Abandonment Under 37 CFR 1.181(a)" considered herein. The petition asserts that the holding of abandonment should be withdrawn because applicants did not receive the Notification Of Missing Requirements upon which the abandonment is based.

DISCUSSION

Section 711.03(c)(I)(A) of the MPEP sets forth the requirements for a grantable petition in the present circumstances:

The showing required to establish nonreceipt of an Office communication must include a statement from the practitioner describing the system used for recording an Office action received at the correspondence address of record with the USPTO. The statement should establish that the docketing system is sufficiently reliable. It is expected that the record would include, but not be limited to, the application number, attorney docket number, the mail date of the Office action and the due date for the response.

Practitioner must state that the Office action was not received at the correspondence address of record, and that a search of the practitioner's record(s), including any file jacket or the equivalent, and the application contents, indicates that the Office action was not received. A copy of the record(s) used by the practitioner where the non-received Office action would have been entered had it been received is required.

A copy of the practitioner's record(s) required to show non-receipt of the Office action should include the master docket for the firm. That is, if a three month period for reply was set in the nonreceived Office action, a copy of the master docket report showing all replies docketed for a date three months from the mail date of the nonreceived Office action must be submitted as documentary proof of nonreceipt of the Office action. If no such master docket exists, the practitioner should so state and provide other evidence such as, but not limited to, the following: the application file jacket; incoming mail log; calendar; reminder system; or the individual docket record for the application in question.

The present petition does not include the required statements from the practitioner describing the docketing system in use at petitioner's firm and stating that a search of the practitioner's record(s), including any file jacket or the equivalent, and the application contents, indicates that the Notification Of Missing Requirements was not received.

With respect to the docket records requirement, applicants have provided a copy of what appears to be the docket record for the present application file. However, as discussed in the MPEP, what is required is a copy of the full office docket record for all responses due in the USPTO on 22 March 2008, the date on which a response to the Notification Of Missing Requirements was due.¹

Based on the above, applicants have not satisfied the requirements for a petition to confirm the failure to receive the Notification Of Missing Requirements mailed 22 January 2008. Accordingly, withdrawal of the holding of abandonment is not appropriate on the present record.

CONCLUSION

Applicants' petition under 37 CFR 1.181 is **DISMISSED** without prejudice. The application remains abandoned.

If reconsideration on the merits of the petition is desired, a proper response must be filed within **TWO (2) MONTHS** of the mail date of the present decision. Any request for reconsideration should include a cover letter entitled "Renewed Petition Under 37 CFR 1.181" and must include the additional statements from the practitioner and docket records required to confirm that the Notification Of Missing Requirements mailed 22 January 2008 was not received, as discussed above and in the MPEP.

Please direct further correspondence with respect to this matter to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, with the contents of the letter marked to the attention of the Office of PCT Legal Administration.



Richard M. Ross
Attorney Advisor
Office of PCT Legal Administration
Telephone: (571) 272-3296
Facsimile: (571) 273-0419

¹ It is noted that 22 March 2008 was a Saturday. Accordingly, if applicants' docketing system dockets responses for the next business day, a copy of the full office docket for all responses due on 24 March 2008 should be provided.

Electronic Acknowledgement Receipt	
EFS ID:	4170391
Application Number:	10537474
International Application Number:	
Confirmation Number:	3259
Title of Invention:	System and method for inter-relating multiple data types
First Named Inventor/Applicant Name:	David Warren BADGER
Correspondence Address:	Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza - New York NY 10112 US -
Filer:	David W. Schalk
Filer Authorized By:	
Attorney Docket Number:	A35477 PCT USA (065855.)
Receipt Date:	24-OCT-2008
Filing Date:	
Time Stamp:	11:44:06
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	no
File Listing:	

Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions.	exhibits.pdf	1761758 aa0845cedfb9baa3b968ea9e8a456b86c4d6451c	no	32
Warnings:					
Information:					
2	Petition for review by the Office of Petitions.	petition.pdf	58655 75d427629d8198db2d0c4c91ffdb6cd883a1dc42	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				1820413	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Badger *et al.* Examiner : TBD
Serial No. : 10/537,474 Confirmation No. : 3259
Filed : 06/03/2005 Group Art Unit : TBD
For : A System And Method For Inter-Relating Multiple Data Types

PETITION TO WITHDRAW HOLDING OF ABANDONMENT
UNDER 37 C.F.R. §1.181(a)

Mail Stop **PETITION**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

On June 3, 2005, Applicants mailed the following documents to the USPTO by Express Mail (attached as Exhibit 1):

1. Transmittal Letter (2 pages)
2. Patent Application (9 pages of specification, 3 pages of claims, 5 sheets of drawings)
3. Form PCT/ISA/220 (1 page)
4. Form PCT/IB/308 (1 page)
5. Check for \$1000.00 (1 page)
6. Return Receipt Postcard (1 page)

A Notice of Abandonment was then mailed on September 26, 2008 (Exhibit 2) indicating that the above-identified patent application had gone abandoned. However, Applicants never received a copy of the Notification of Missing Requirements that was apparently mailed on January 22, 2008. A copy of a Declaration by Elsie Williams attesting to this fact is attached as Exhibit 3.

Applicants therefore believe that the abandonment for the above-identified patent application should be withdrawn because the Notification of Missing Requirements was never received. Applicants also request that a new period of reply be set for responding to the

Notification.

Applicants believes that there is no fee required with this communication. However, if any fees are required, the Commissioner is hereby authorized to charge payment of any fees relating to this communication to Deposit Account No. 02-4377.

Respectfully submitted,

BAKER BOTTS L.L.P.

/David Schalk/
David Schalk
Patent Office Reg. No. 60,527

Paul A. Ragusa
Patent Office Reg. No. 38,587

Attorneys for Applicant
30 Rockefeller Plaza
44th Floor
New York NY 10112
(212) 408-2500

10:30
05 JUN 24
M.J.T.

101537475

In Re: Badger et al. TRA
(Applicant) (Serial No.)
In Re: U.S. NATIONAL STAINLESS STEEL CORP. 'A35477 PCT USA 02/05/04
APPLICATION (65385.0002)
(Title of Paper) (Date) (File No.)
The stamp of the Patent Office Mail Room herein acknowledges the
receipt of the above-identified papers on the date indicated by such stamp.
** FFC/TW/IS/002/013248
Enclosed: Transmittal in duplicate, WO/2004/051763 and 9 pages Specification, 3 pages of claims
5 sheets of drawings, International Search Report, PCT/ISA/2004, PCT/IB/04, Check 4,000.
EXPRESS MAILING NO. E229161538RS
MAILED ON JUNE 3, 2005
MS PCT
NY02487753.1

USC Reg'd PCT/PTO 03 JUN 2005

BAKER BOTTS L.L.P.
 ATTORNEYS AT LAW
 30 Rockefeller Plaza
 44th and 45th floors
 New York, New York 10112-0228

INQUIRIES: (212) 705-5000
 TAXPAYER I.D. #74-1195457

Invoice No.	Date	Voucher	Gross Amount	Discount	Net Amount
I5425529	06/03/2005	PAR A35477PCTUSA 1188543	J1 45flr 1,000.00	0.00	1,000.00
<hr/>					
Check No.	176360	Check Date	06/03/2005	Vendor No.	11135
Vendor Name	COMMISSIONER OF PATENTS AND			Total Amount	1,000.00

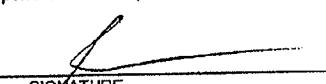
Chase Bank, N.A. New York, New York	BAKER BOTTS L.L.P. ATTORNEYS AT LAW New York Operating Account	CHECK # 176360 DATE 06/03/2005 1-2 210
\$ ***** 1,000.00		
PAY ONE THOUSAND AND 00/100 Dollars		
NOT NEGOTIABLE SIX MONTHS FROM THE DATE OF ISSUE TWO SIGNATURES REQUIRED OVER \$2500.00		
TO THE ORDER OF	COMMISSIONER OF PATENTS AND TRADEMARKS	<i>Russell J. Baker</i>

176360 102100002112 0957340306

EXHIBIT 7

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER A35477 PCT USA (065855..)
INTERNATIONAL APPLICATION NO. PCT/US2002/039248		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL FILING DATE 6 DECEMBER 2002		PRIORITY DATE CLAIMED 6 DECEMBER 2002
TITLE OF INVENTION A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES		
APPLICANT(S) FOR DO/EO/US David Warren Badger, Dale Benner, Elizabeth Ann Waldman and Girish Marathe		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Published Appln. WO 2004/053763 w/Search Report, PCT/ISA/220, PCT/IB/308</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER			
	PCT/US2002/039248	A35477 PCT USA (065855.)			
The following fees have been submitted		CALCULATIONS PTO USE ONLY			
21. <input checked="" type="checkbox"/> Basic national fee.....		\$ 300.00			
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....\$100 All other situations.....\$200		\$ 200.00			
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared and provided to the Office.....\$400 All other situations.....\$500		\$ 400.00			
TOTAL OF 21, 22 and 23 =		\$ 900.00			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	0 /50 =	0	x \$250		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	22	- 20 =	2	x \$ 60	\$ 100.00
Independent claims	2	- 3 =	0	x \$200	\$ 0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0.00	
TOTAL OF ABOVE CACULATIONS =		\$ 1,000.00			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
		SUBTOTAL =	\$ 1,000.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$			
		TOTAL NATIONAL FEE =	\$ 1,000.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$			
		TOTAL FEES ENCLOSED =	\$ 1,000.00		
		Amount to be refunded:	\$		
		Amount to be charged:	\$		
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,000.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 02-4377 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4377. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
 Paul A. Ragusa BAKER BOTTS LLP 30 Rockefeller Plaza New York, NY 10112					
SIGNATURE Paul A. Ragusa NAME 38,587 REGISTRATION NUMBER					

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053763 A1

(51) International Patent Classification: G06F 17/60

(21) International Application Number: PCT/US2002/039248

(22) International Filing Date: 6 December 2002 (06.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): IMS HEALTH INCORPORATED [US/US]; 660 West Germantown Pike, Plymouth Meeting, PA 19462 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BADGER, David, Warren [US/US]; 528 W. Mt. Vernon Street, Lansdale, PA 19446 (US). BENNER, Dale [US/US]; 1306 School House Road, Pottsville, PA 18073 (US). WALDMAN, Elizabeth, Ann [US/US]; 3 Devon Drive, New Hope, PA 18938 (US). MARATHE, Girish [IN/US]; 1111 Whitpain

Hills, Blue Bell, PA 19422 (US). HERRON, Marjory, Beth [US/US]; 105 Jonathan Drive, North Wales, PA 19454 (US). DEWITT, Steven, L. [US/US]; 170 Cotton Street, #207, Philadelphia, PA 19127 (US). TRINH, Gary [US/US]; 32 Pear Tree Lane, Lafayette Hill, PA 19444 (US). STOVER, David, J. [US/US]; 1087 Softa Road, East Greenville, PA 18041 (US). SORIA, Luis [US/US]; 710 Ringwood Avenue, Pompton Lakes, NJ 07422 (US).

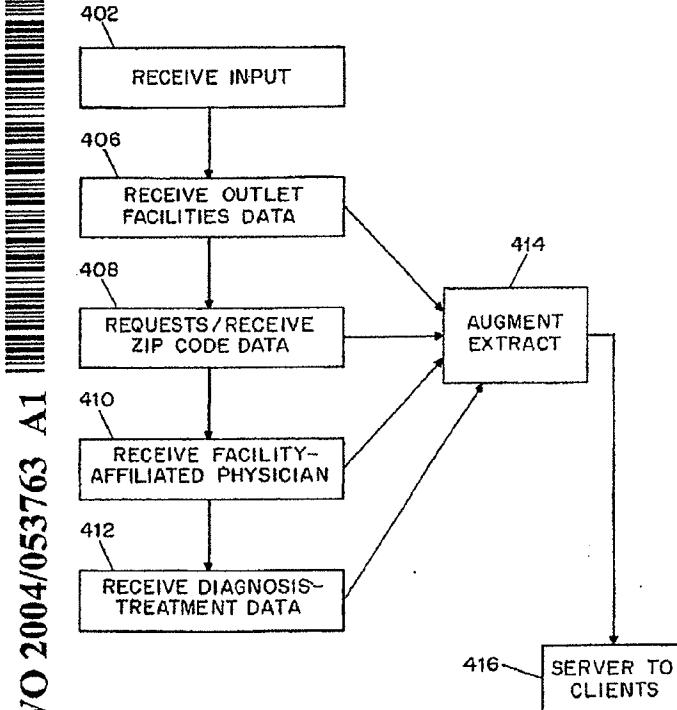
(74) Agent: RAGUSA, Paul, A.; Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

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[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

WO 2004/053763 A1



(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TI, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, BE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES**FIELD OF THE INVENTION**

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to 5 create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers 10 to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data 15 relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under 20 performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales." Non-retail sales are most notably drug sales terminating in hospitals, departments in hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, 25 when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

5 Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehensible form. Thus, it is difficult to get a clear understanding of the
10 respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

OBJECTS AND SUMMARY OF THE INVENTION

15 An object of the present invention is to receive pharmaceutical delivery information pertaining to the sales of pharmaceuticals, from manufacturers and other
 distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

20 It is a further object of the present invention to provide for multiple un-related types of reference datum, where the reference datum provides more detailed information than that originally contained in the non-augmented pharmaceutical delivery information.

25 In order to achieve these objectives, as well as others which will become apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such
30 data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

5 manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

10 In another preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

15 In yet another preferred embodiment, the extract is inter-related with reference datum that includes postal zip code information relating to the facilities. Advantageously, where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for the zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual 20 facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

25

BRIEF DESCRIPTION OF THE DRAWINGS

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein:

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry;

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

5 FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

10 FIG. 5 is an example of pharmaceutical delivery information and the inter-relation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a 15 manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling 20 prescriptions prescribed and filled therein.

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated 25 with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212, 214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical analysis. For example, a facility could be New York University ("NYU") Medical Center, where non-retail outlets include NYU's Oncology Department, NYU's Maternity Department,

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

The manufacturers 102 and distributors 104 provide the reporting data regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

The system and method of the present invention "fills the gaps" in the data set provided by the manufacturers 102 and distributors 104, as well as provides a more detailed data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same address.

Referring to FIG. 3, an exemplary embodiment of the present invention will be described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference datum from one or more reference data units 304, 306, 308, 320. Reference data units may include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 5 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatric Department, and Dr. John Doe Office, all are related the NYU 10 Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augmented by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the 15 example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical 20 Center facility. So the extraction unit 302 then preferably requests data from other reference data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility 25 associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of 30 data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outlet 5 facility unit 304 and zip code unit 306, in step 410 the present system and method inter-relates the augmented extract with facility-affiliated physician data via the facility-affiliated physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as described above by populating a "physician" field in the extract by keying in on the facility.

Thereafter, in step 412 the present system and method preferably inter-relates 10 the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical prescribed can be inter-related with one or more diagnosis. This inter-relationship is 15 important because it can help a manufacturer determine which facilities and/or outlets to target for advertisement of a particular drug based upon the most common medical use. Thus, the drugs are keyed on in the extract and populated with diagnosis data where 20 available.

Based upon the reference data received and the data already in the extract data record, the extract may be augmented after the reception of one type of reference datum or 20 may need to wait until the reception of multiple types of reference datum. In this way, augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is ready to be queried. With so many query options and data from multiple manufacturers and 25 distributors, efficiency as well as security concerns are apparent. To counter balance the efficiency concerns, queries are written into the system, as requested by manufacturers, in a pre-defined manner. Thus, the present system and method may execute a pre-defined query at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pre-generated such that the presentation of the reporting data to clients may be facilitated in an efficient manner. Since the extract data is at best updated weekly, stale data will not result. 30 In terms of security, the extraction unit 302 preferably only allows a client, where one or more clients are affiliated with a unique manufacturer, to view the results of queries

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidential rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

Extraction unit 302, outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate and pass data over data bus 322. Data bus 322 also comprises a database for the caching of data, when needed as between the above aforementioned units.

The above system and method may be implemented by many computer languages commonly known in the art and may operate on many computer platforms which include both volatile and non-volatile memory storage devices. In a preferred embodiment, the system and method of the present invention is implemented, in whole or in part, in a multi-tiered architecture consisting of a mainframe computer and distributed network servers, including Unix and windows web servers. Software code encapsulating the functionality of the present inventive technique may be implemented on such computer systems, preferably written in COBOL, SAS, JCL, C, C++, Korn/Unix Shell, ASP, and/or Visual Basic. Preferably data and the results of the data queries are stored in one or more relational

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

5 Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

CLAIMS

1. A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

5 an input for receiving said pharmaceutical delivery information ;
a reference data unit storing said one or more reference datum, said reference datum sharing at least one cross relational property to said pharmaceutical delivery information ;
an extraction unit, coupled to said input and receiving pharmaceutical delivery
10 information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.

2. The system of claim 1, wherein said reference data unit comprises an outlet-facility unit for providing relationship information between an outlet and a facility, said
15 extraction unit receiving said relationship information and augmenting said pharmaceutical delivery information to include said relationship information with said facility.

3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information,
20 said pharmaceuticals being delivered to sub-outlets.

4. The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.

5. The system of claim 2, wherein said reference data unit comprises a zip code unit providing a virtual facility for a zip code for one or more outlets in said zip code which
25 are not related to an actual facility.

6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said pharmaceutical delivery information to include said physician information.

30 7. The system of claim 1, wherein said reference data unit comprises a diagnosis-treatment unit providing a cross reference between pharmaceuticals and medical diagnosis,

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

8. The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.

5 9. The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

10. The system of claim 1, wherein said extract data is received weekly.

11. The system of claim 1, wherein said extract data is received monthly.

12. A method for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

15 receiving an input comprising pharmaceutical delivery information ; receiving one or more reference datum, said reference datum sharing at least one cross relational property to a data type in said pharmaceutical delivery information ; and augmenting said pharmaceutical delivery information by inter-relating said data type in said pharmaceutical delivery information with said one or more reference datum in order to provide pharmaceutical delivery information with inter-related reference datum.

20 13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a facility.

14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.

15. The method of claim 14, wherein said zip code is an actual postal zip code.

25 16. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.

17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.

19. The method of claim 18, wherein said diagnosis-treatment data is retrieved
5 from an external database.

20. The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.

21. The method of claim 12, wherein said extract data is received weekly.

22. The method of claim 12, wherein said extract data is received monthly.

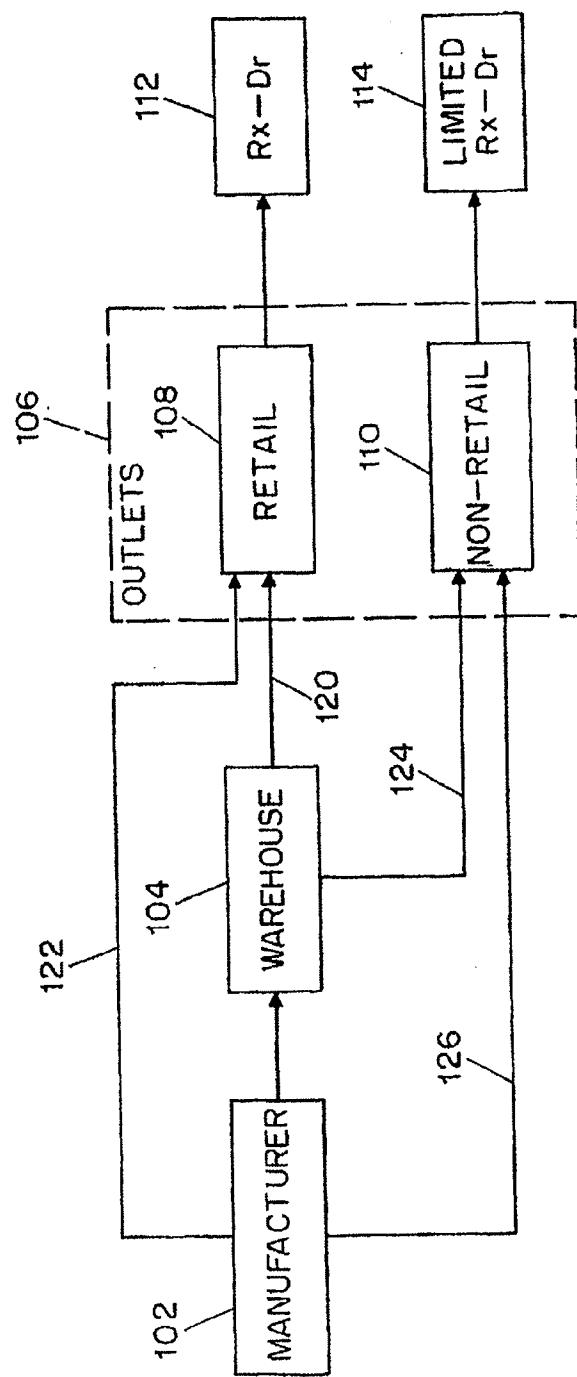


FIG. 1

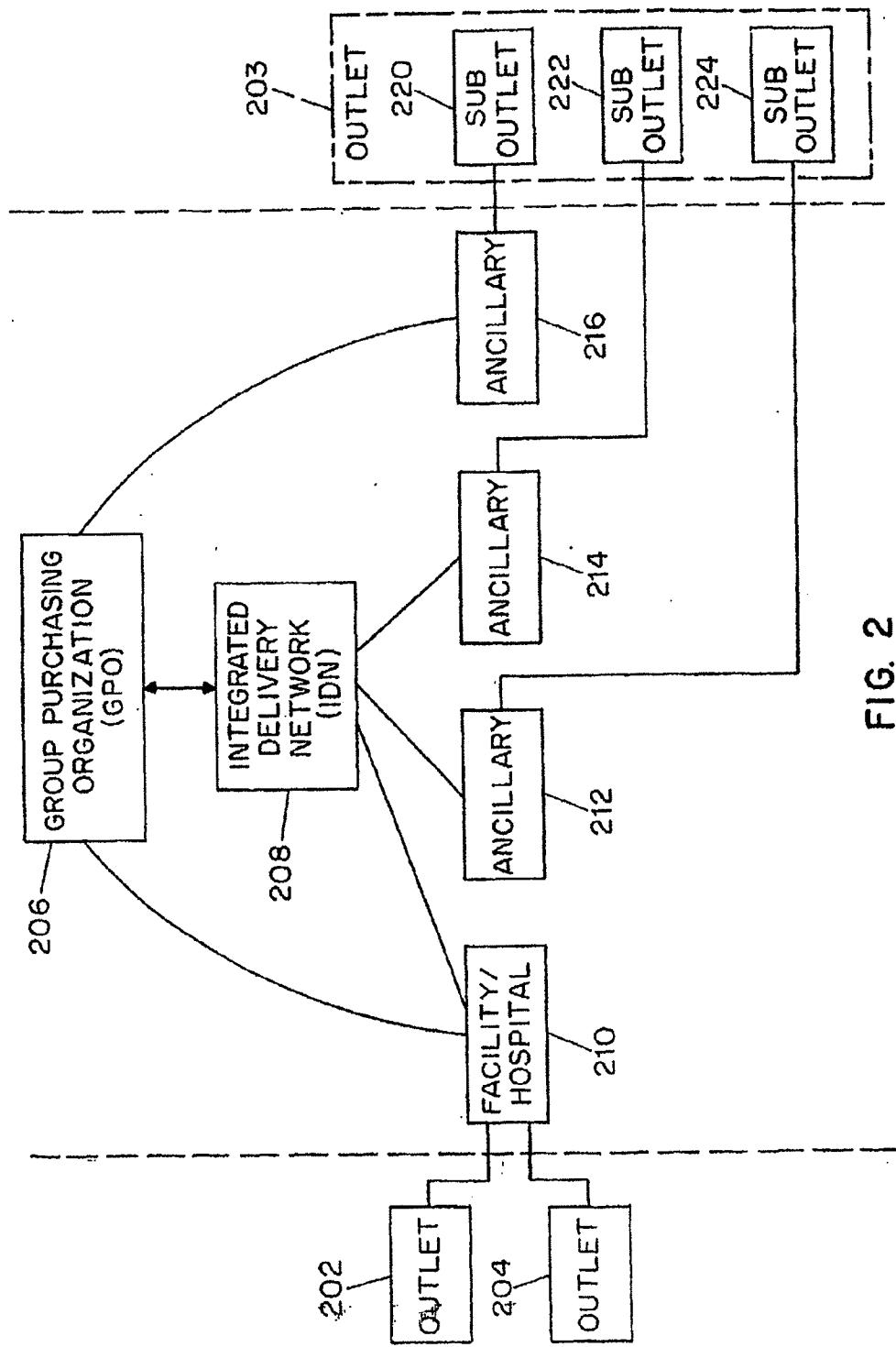


FIG. 2

SUBSTITUTE SHEET (RU 1 E 96)

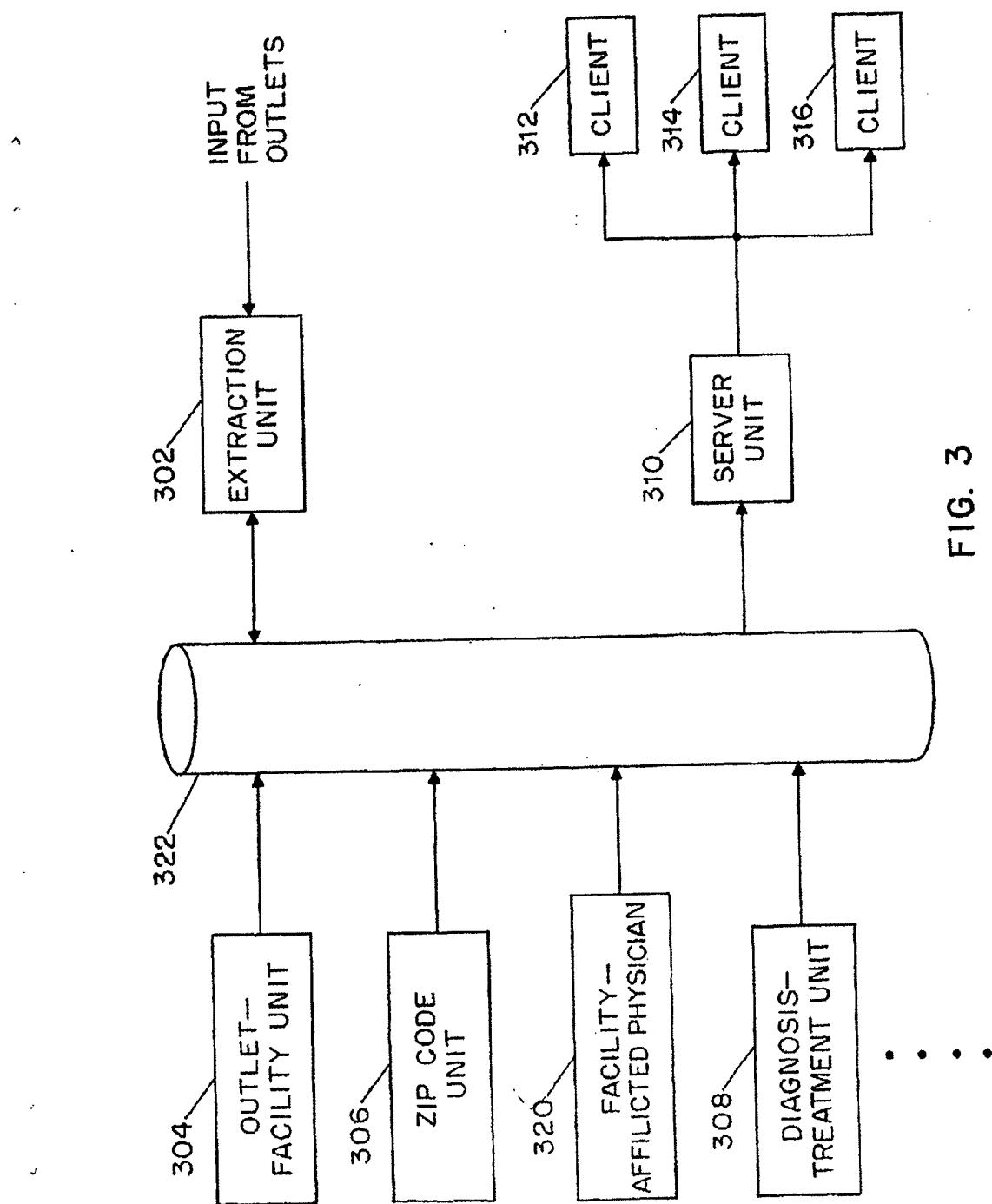


FIG. 3

SUBSTITUTE SHEET (RU F 26)

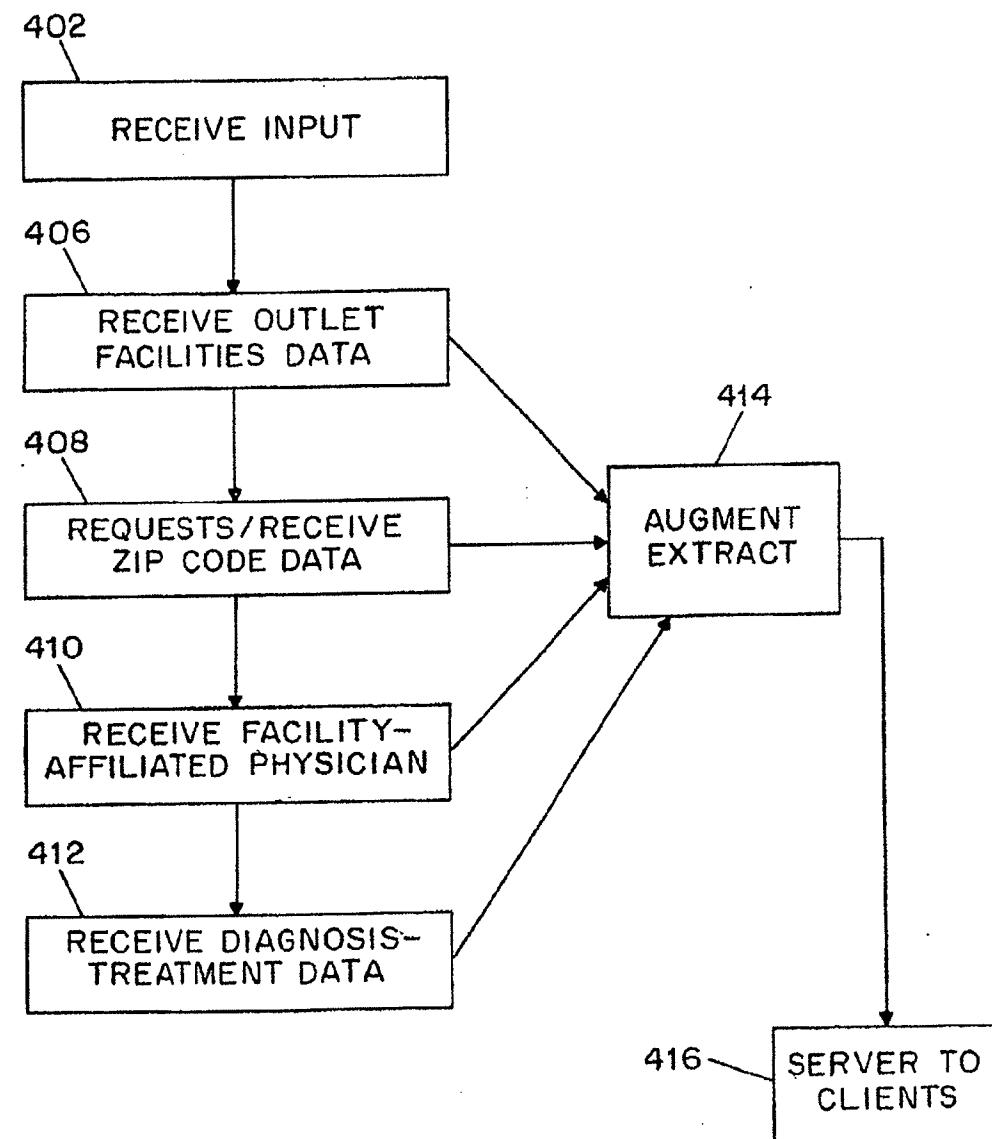


FIG. 4

SUBSTITUTE SHEET (RULE 26)

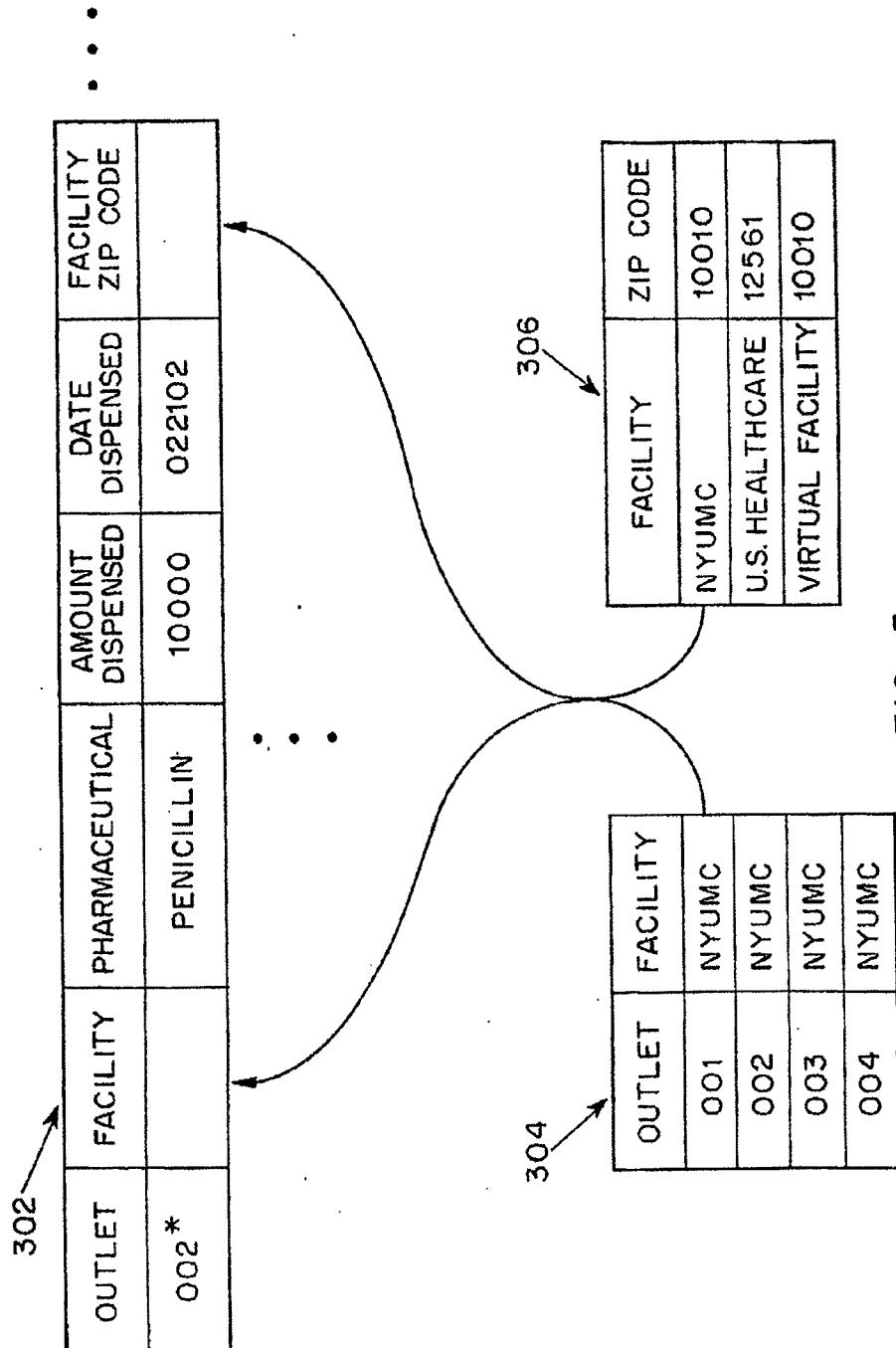


FIG. 5

SUBSTITUTE SHEET (RULE 26)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/39248

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/60
US CL : 705/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 705/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
West - USPatents; Pubs; Derwent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0111828 A1 (BLODER et al.) 15 August 2002 (15.08.2002), Fig. 1, Abstract, [003]-[0013], [0018]-[0022]-[0026].	1-22
A	US 6,249,774 B1 (RODEN, et al.) 19 June 2001 (19.06.2001), Figs. 1-3; col. 2, lines 11-59; col. 3, line 9-col. 4, line 49; col. 5, line 52-col. 6, line 2; col. 7, line 56-col. 8, line 59; col. 9-col. 10, line 49; col. 11, line 52-col. 12, line 2; col. 13, line 56-col. 14, line 59; col. 15, line 52-col. 16, line 2; col. 17, line 56-col. 18, line 59; col. 19-col. 20, line 49; col. 21, line 52-col. 22, line 2; col. 23, line 56-col. 24, line 59; col. 25-col. 26, line 49; col. 27, line 52-col. 28, line 2; col. 29, line 56-col. 30, line 59; col. 31-col. 32, line 49; col. 33, line 52-col. 34, line 2; col. 35, line 56-col. 36, line 59; col. 37-col. 38, line 49; col. 39, line 52-col. 40, line 2; col. 41, line 56-col. 42, line 59; col. 43-col. 44, line 49; col. 45, line 52-col. 46, line 2; col. 47, line 56-col. 48, line 59; col. 49-col. 50, line 49; col. 51, line 52-col. 52, line 2; col. 53, line 56-col. 54, line 59; col. 55-col. 56, line 49; col. 57, line 52-col. 58, line 2; col. 59, line 56-col. 60, line 59; col. 61-col. 62, line 49; col. 63, line 52-col. 64, line 2; col. 65, line 56-col. 66, line 59; col. 67-col. 68, line 49; col. 69, line 52-col. 70, line 2; col. 71, line 56-col. 72, line 59; col. 73-col. 74, line 49; col. 75, line 52-col. 76, line 2; col. 77, line 56-col. 78, line 59; col. 79-col. 80, line 49; col. 81, line 52-col. 82, line 2; col. 83, line 56-col. 84, line 59; col. 85-col. 86, line 49; col. 87, line 52-col. 88, line 2; col. 89, line 56-col. 90, line 59; col. 91-col. 92, line 49; col. 93, line 52-col. 94, line 2; col. 95, line 56-col. 96, line 59; col. 97-col. 98, line 49; col. 99, line 52-col. 100, line 2; col. 101, line 56-col. 102, line 59; col. 103-col. 104, line 49; col. 105, line 52-col. 106, line 2; col. 107, line 56-col. 108, line 59; col. 109-col. 110, line 49; col. 111, line 52-col. 112, line 2; col. 113, line 56-col. 114, line 59; col. 115-col. 116, line 49; col. 117, line 52-col. 118, line 2; col. 119, line 56-col. 120, line 59; col. 121-col. 122, line 49; col. 123, line 52-col. 124, line 2; col. 125, line 56-col. 126, line 59; col. 127-col. 128, line 49; col. 129, line 52-col. 130, line 2; col. 131, line 56-col. 132, line 59; col. 133-col. 134, line 49; col. 135, line 52-col. 136, line 2; col. 137, line 56-col. 138, line 59; col. 139-col. 140, line 49; col. 141, line 52-col. 142, line 2; col. 143, line 56-col. 144, line 59; col. 145-col. 146, line 49; col. 147, line 52-col. 148, line 2; col. 149, line 56-col. 150, line 59; col. 151-col. 152, line 49; col. 153, line 52-col. 154, line 2; col. 155, line 56-col. 156, line 59; col. 157-col. 158, line 49; col. 159, line 52-col. 160, line 2; col. 161, line 56-col. 162, line 59; col. 163-col. 164, line 49; col. 165, line 52-col. 166, line 2; col. 167, line 56-col. 168, line 59; col. 169-col. 170, line 49; col. 171, line 52-col. 172, line 2; col. 173, line 56-col. 174, line 59; col. 175-col. 176, line 49; col. 177, line 52-col. 178, line 2; col. 179, line 56-col. 180, line 59; col. 181-col. 182, line 49; col. 183, line 52-col. 184, line 2; 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PENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)	(Earliest) Priority Date (day/month/year)
Applicant IMS HEALTH INCORPORATED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 7 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report
 - a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
 - b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
2. Certain claims were found unsearchable (See Box I).
3. Unity of invention is lacking (See Box II).
4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:
5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is Figure No. 4

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/39248

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
 PAUL A. RAGUSA
 BAKER BOTTS L. L. P.
 30 ROCKEFELLER PLAZA
 NEW YORK, NY 10112-4498

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing
(day/month/year) 29 MAY 2003

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)
Applicant IMS HEALTH INCORPORATED	

1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
 no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Commissioner for Patents Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Richard Chilcot Telephone No. (703) 308-1113 (See notes on accompanying sheet)
--	--

Form PCT/ISA/220 (April 2002)

* * * * *
* * * * *
* * * * *

Docketed

For 7/25/2003 b9

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

Date of mailing (day/month/year) 24 June 2004 (24.06.2004)		To: RAGUSA, Paul, A. Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112-4498 ETATS-UNIS D'AMÉRIQUE	
Applicant's or agent's file reference 35477-PCT		Foreign Dept. JUN 30 2004	
International application No. PCT/US2002/039248	International filing date (day/month/year) 06 December 2002 (06.12.2002)	Priority date (day/month/year)	RECEIVED BAKER & BOTTLS, L.L.P.
Applicant IMS HEALTH INCORPORATED et al		04 JUL 1 AM 10:35 TO	

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on
24 June 2004 (24.06.2004) under No. WO 2004/053763

4. **TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase**

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a demand for international preliminary examination, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/537,474	David Warren BADGER <i>065855-0354</i> BAKER BOTZ LLP RECEIVED	A35477 PCT USA (065855.)
		INTERNATIONAL APPLICATION NO.
		PCT/US02/39248
I.A. FILING DATE		PRIORITY DATE
12/06/2002		

OCT 13 2008

CONFIRMATION NO. 3259

371

ABANDONMENT/TERMINATION
LETTER



OC000000032290139

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

- Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE

Telephone: (703) 308-9140 EXT 222

FOR S. Chen

DOCKETED FOR

NOV 26 2008 BY ECG

Petition to Reissue

page 1 of 1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

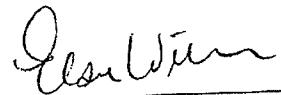
Applicant(s) : Badger *et al.* Examiner : TBD
Serial No. : 10/537,474 Confirmation No. : 3259
Filed : 06/03/2005 Group Art Unit : TBD
For : A System And Method For Inter-Relating Multiple Data Types

STATEMENT UNDER 37 C.F.R. 1.8(b)(3)

I, Elsie Williams, declare the following:

1. I am responsible for checking all incoming mail received from the USPTO.
2. I hereby declare that the Notification of Missing Requirements mailed on January 22, 2008 was never received by our office. A copy of the record from our docket management system (CPI) showing that the Notification was never received is attached in support of this assertion.
3. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of any patent issuing from the above-captioned patent application.

Date: October 24, 2008



Elsie Williams
Elsie Williams
Paralegal

Country Application

Friday, October 24, 2008

Page: 1

Client Matter Number: 065855.0354	Country: US	SubCase:
Client: IMS HEALTH, INC.		
Client Reference No: DDD Integrated Views		
Case Type: PCT		
Application Status: Abandoned		
Application Number: 10/537474		
Publication Number:		
Patent Number:		
Parent/PCT Number: PCT/US2002/039248		
Parent Issue Number:		
Tax Schedule: LE		
Confirmation #:		
Agent: USPTO		
U.S. Patent and Trademark Office		
PTO Customer Number: 21003		
Historical Family No.: 35477-PCT-USA		
Matter:		
Annuity Client?: Yes		
Tax Start Date:		
Priority Number:		
New Family Number:		
Claims: 0		

Country Application

Friday, October 24, 2008

Page: 2

List Of Actions

Action(s) Due	Due Date		Action Taken
Notice of Publication	06-Jun-2004	Due Date	03-Jun-2005
Assignment	03-Sep-2005	Due Date	08-Nov-2006
Close per Josephine Langellotti			
Declaration/power of attorney	03-Sep-2005	Due Date	08-Nov-2006
Close per Josephine Langellotti			
Formal Drawings due	03-Sep-2005	Due Date	03-Jun-2005
Information Disclosure Stmt	03-Sep-2005	Due Date	16-Sep-2005
Filing Receipt Rec'd	03-Nov-2005	Reminder	07-Nov-2005
Formal Drawings Follow Up Date	03-Dec-2005	Due Date	03-Jun-2005
Application Status Check	03-Dec-2006	Due Date	27-Feb-2008
Information Dis Follow Up Date	16-Mar-2007	Due Date	14-May-2007
Application Sta Follow Up Date	27-Aug-2008	Due Date	26-Sep-2008
Notice of Abandonment	26-Sep-2008	Due Date	26-Sep-2008
Petition to Revive Reminder	26-Oct-2008	Reminder	
Petition to Revive Due	26-Nov-2008	Final	

Created By: DDAVIS

User ID: ECRUZ

Date Created: 22-Jun-2005

Last Update: 16-Oct-2008



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/537,474	David Warren BADGER <i>865855-0354</i> BAKER BOTTS LLP RECEIVED	A35477 PCT USA (065855.)
		INTERNATIONAL APPLICATION NO.
		PCT/US02/39248
I.A. FILING DATE	PRIORITY DATE	
12/06/2002		

OCT 12 2008

CONFIRMATION NO. 3259
371
ABANDONMENT/TERMINATION
LETTER



OC000000032290139

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

- Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE

Telephone: (703) 308-9140 EXT 222

FOR J. Chen

DOCKETED FOR

NOV 26 2008 BY ECG

Petition to Revert

page 1 of 1

In Re:	<u>Badger et al.</u>	10/537,474
	(Applicant)	(Serial No.)
In Re:	IDS	9-16-2005
		065855.0354 (A35477 PCT USA)
	(Title of Paper)	(Date)
	(File No.)	

The stamp of the Patent Office Mail Room hereon acknowledges the receipt of the above-identified papers on the date indicated by such stamp.

ENCLOSED: IDS, PTO 1449, International Search Report

MS AMENDMENT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Badger et al.

Serial No.: 10/537,474

Filed: June 3, 2005 Group Art Unit: TBA

For: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450

September 16, 2005

Date of Deposit

Manu J. Tejwani
Attorney Name

37,952
PTO Registration No.


Signature

September 16, 2005
Date of Signature

Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicant respectfully requests that the documents listed on the accompanying PTO 1449 be considered by the Examiner and made of record in the above-referenced application.

The references listed on the accompanying PTO 1449 are listed in the accompanying International Search Report.

Identification of the listed documents is not to be construed as an admission of the applicant or attorneys for applicants that such citations are available as "prior art" against the subject application. If the Examiner applies the documents as prior art against any claim in

PATENT

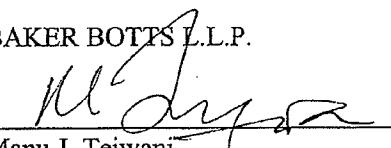
the application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

Respectfully submitted,

BAKER BOTTS L.L.P.

By:


Manu J. Tejwani
Reg. No. 37,952

30 Rockefeller Plaza
New York, NY 10012-4498
212-408-2500
Attorneys for Applicants

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. A35477 PCT USA (065855.0354)	APPLICATION NO. 10/537,474
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		APPLICANT .Badger et al.	
		FILING DATE June 3, 2005	GROUP ART UNIT

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	6,249,774	6-19-2001	Roden			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	US 2002/0111828 A1; Bloder et al; 8/15/2002
	US 2002/0065683 A1; Pham et al.; May 30, 2002
	International Search Report 3/11/2003

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NY02:529206.1

In Re:	Badger et al.	TBA
	(Applicant)	(Serial No.)
In Re:	U.S. NATIONAL STAGE APPLICATION*	6-3-2005 A35477 PCT USA (065855.
	(Title of Paper)	(Date) (File No.)

The stamp of the Patent Office Mail Room hereon acknowledges the receipt of the above-identified papers on the date indicated by such stamp.

*of PCT/US2002/039248
Enclosed: Transmittal in duplicate, WO 2004/053763 w/ 9 pages Specification, 3 pages of claims
5 sheets of drawings, International Search Report, PCT/ISA/220, PCT/IB/308, Check \$1,000

EXPRESS MAILING NO. ED291601538US
MAILED ON JUNE 3, 2005
MS PCT

NY02:487753.1

BAKER BOTTS L.L.P.

ATTORNEYS AT LAW

30 Rockefeller Plaza

44th and 45th floors

New York, New York 10112-0228

INQUIRIES: (212) 705-5000

TAXPAYER I.D. #74-1195457

Invoice No.	Date	Voucher	Gross Amount	Discount	Net Amount
15425529	06/03/2005	PAR A35477PCTUSA 1188543	J1 45flr 1,000.00	0.00	1,000.00
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Check No.	176360	Check Date	06/03/2005	Vendor No.	11135
Vendor Name	COMMISSIONER OF PATENTS AND		Total Amount	1,000.00	

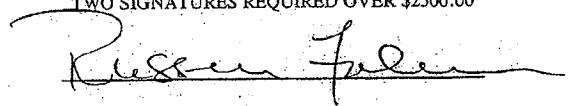
Chase Bank, N.A.
New York, New York**BAKER BOTTS L.L.P.**
ATTORNEYS AT LAW
New York Operating AccountCHECK # 176360
DATE 06/03/200512
210

\$ *****1,000.00

PAY ONE THOUSAND AND 00/100 Dollars

NOT NEGOTIABLE SIX MONTHS
FROM THE DATE OF ISSUE

TWO SIGNATURES REQUIRED OVER \$2500.00

TO COMMISSIONER OF PATENTS AND
THE TRADEMARKS
ORDER
OF

176360 # 0210000210 # 967340306

Express Mail Label No.: ED291o01538US

Appr. for use through 3/31/2007, OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER A35477 PCT USA (065855.)
INTERNATIONAL APPLICATION NO. PCT/US2002/039248	INTERNATIONAL FILING DATE 6 DECEMBER 2002	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
		PRIORITY DATE CLAIMED 6 DECEMBER 2002
TITLE OF INVENTION A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES		
APPLICANT(S) FOR DO/EO/US David Warren Badger, Dale Benner, Elizabeth Ann Waldman and Girish Marathe		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Published Appln. WO 2004/053763 w/Search Report, PCT/ISA/220, PCT/IB/308</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.: ED291601538US

Approved for use through 3/31/2007, OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
		PCT/US2002/039248		A35477 PCT USA (065855.)	
The following fees have been submitted					
21. <input checked="" type="checkbox"/> Basic national fee.....				\$300	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....				\$ 200.00	
All other situations.....				\$200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....				\$100	
International Search Report prepared and provided to the Office.....				\$400	
All other situations.....				\$500	
TOTAL OF 21, 22 and 23 =					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$ 900.00	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =	0 /50 =	0		x \$250	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS NUMBER FILED NUMBER EXTRA RATE \$					
Total claims		22	- 20 =	2	x \$50
Independent claims		2	- 3 =	0	x \$200
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	
TOTAL OF ABOVE CACULATIONS =					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =					
\$ 1,000.00					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
TOTAL NATIONAL FEE =					
\$ 1,000.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					
TOTAL FEES ENCLOSED =					
\$ 1,000.00					
<input type="checkbox"/> Amount to be refunded: \$					
<input type="checkbox"/> Amount to be charged: \$					
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,000.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 02-4377 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4377. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
 SIGNATURE Paul A. Ragusa NAME 38,587 REGISTRATION NUMBER					

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053763 A1

(51) International Patent Classification⁷: G06F 17/60

(21) International Application Number: PCT/US2002/039248

(22) International Filing Date: 6 December 2002 (06.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): IMS HEALTH INCORPORATED [US/US]; 660 West Germantown Pike, Plymouth Meeting, PA 19462 (US).

(72) Inventors; and

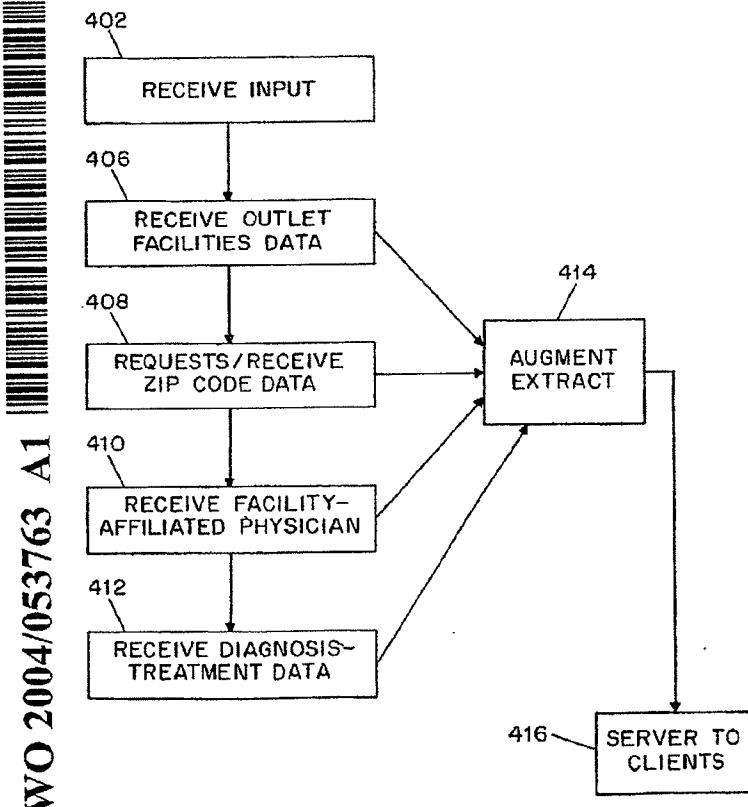
(75) Inventors/Applicants (for US only): BADGER, David, Warren [US/US]; 528 W. Mt. Vernon Street, Lansdale, PA 19446 (US). BENNER, Dale [US/US]; 1306 School House Road, Pennsburg, PA 18073 (US). WALDMAN, Elizabeth, Ann [US/US]; 3 Devon Drive, New Hope, PA 18938 (US). MARATHE, Girish [IN/US]; 1111 Whitpain Hills, Blue Bell, PA 19422 (US). HERRON, Marjory, Beth [US/US]; 105 Jonathan Drive, North Wales, PA 19454 (US). DEWITT, Steven, L. [US/US]; 170 Cotton Street, #207, Philadelphia, PA 19127 (US). TRINH, Gary [US/US]; 32 Pear Tree Lane, Lafayette Hill, PA 19444 (US). STOVER, David, J. [US/US]; 1087 Soffa Road, East Greenville, PA 18041 (US). SORIA, Luis [US/US]; 710 Ringwood Avenue, Pompton Lakes, NJ 07422 (US).

(74) Agent: RAGUSA, Paul, A.; Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

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[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES



(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

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Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES**FIELD OF THE INVENTION**

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to 5 create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers 10 to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data 15 relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under 20 performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales." Non-retail sales are most notably drug sales terminating in hospitals, departments in hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, 25 when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

5 Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehensible form. Thus, it is difficult to get a clear understanding of the
10 respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

OBJECTS AND SUMMARY OF THE INVENTION

15 An object of the present invention is to receive pharmaceutical delivery information pertaining to the sales of pharmaceuticals, from manufacturers and other distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

20 It is a further object of the present invention to provide for multiple un-related types of reference datum, where the reference datum provides more detailed information than that originally contained in the non-augmented pharmaceutical delivery information.

25 In order to achieve these objectives, as well as others which will become apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such
30 data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to 5 better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

In another preferred embodiment, the extract is inter-related with reference 10 datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes postal zip code information relating to the facilities. Advantageously, 15 where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for the zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual 20 facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

25 **BRIEF DESCRIPTION OF THE DRAWINGS**

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein:

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry;

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

5 FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

10 FIG. 5 is an example of pharmaceutical delivery information and the inter-relation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to 15 herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a 20 manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling prescriptions prescribed and filled therein.

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated 25 with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212, 214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical analysis. For example, a facility could be New York University ("NYU") Medical Center, where non-retail outlets include NYU's Oncology Department, NYU's Maternity Department,

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a 5 pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

The manufacturers 102 and distributors 104 provide the reporting data 10 regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

The system and method of the present invention "fills the gaps" in the data set 15 provided by the manufacturers 102 and distributors 104, as well as provides a more detailed data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same 20 address.

Referring to FIG. 3, an exemplary embodiment of the present invention will be 25 described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference datum from one or more reference data units 304, 306, 308, 320. Reference data units may include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one 30 type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 5 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatric Department, and Dr. John Doe Office, all are related the NYU Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of 10 relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augmented by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the 15 example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical Center facility. So the extraction unit 302 then preferably requests data from other reference 20 data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. 25 A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of 30 data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outlet-facility unit 304 and zip code unit 306, in step 410 the present system and method inter-relates the augmented extract with facility-affiliated physician data via the facility-affiliated physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as described above by populating a "physician" field in the extract by keying in on the facility.

Thereafter, in step 412 the present system and method preferably inter-relates the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical prescribed can be inter-related with one or more diagnosis. This inter-relationship is important because it can help a manufacturer determine which facilities and/or outlets to target for advertisement of a particular drug based upon the most common medical use. Thus, the drugs are keyed on in the extract and populated with diagnosis data where available.

Based upon the reference data received and the data already in the extract data record, the extract may be augmented after the reception of one type of reference datum or 20 may need to wait until the reception of multiple types of reference datum. In this way, augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is ready to be queried. With so many query options and data from multiple manufacturers and distributors, efficiency as well as security concerns are apparent. To counter balance the 25 efficiency concerns, queries are written into the system, as requested by manufacturers, in a pre-defined manner. Thus, the present system and method may execute a pre-defined query at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pre-generated such that the presentation of the reporting data to clients may be facilitated in an efficient manner. Since the extract data is at best updated weekly, stale data will not result. 30 In terms of security, the extraction unit 302 preferably only allows a client, where one or more clients are affiliated with a unique manufacturer, to view the results of queries

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidential rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

20 Extraction unit 302, outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate and pass data over data bus 322. Data bus 322 also comprises a database for the caching of data, when needed as between the above aforementioned units.

25 The above system and method may be implemented by many computer languages commonly known in the art and may operate on many computer platforms which include both volatile and non-volatile memory storage devices. In a preferred embodiment, the system and method of the present invention is implemented, in whole or in part, in a multi-tiered architecture consisting of a mainframe computer and distributed network servers, including Unix and windows web servers. Software code encapsulating the functionality of 30 the present inventive technique may be implemented on such computer systems, preferably written in COBOL, SAS, JCL, C, C++, Korn/Unix Shell, ASP, and/or Visual Basic. Preferably data and the results of the data queries are stored in one or more relational

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

5 Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

CLAIMS

1. A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:
 - 5 an input for receiving said pharmaceutical delivery information ;
a reference data unit storing said one or more reference datum, said reference datum sharing at least one cross relational property to said pharmaceutical delivery information ;
an extraction unit, coupled to said input and receiving pharmaceutical delivery information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.
 - 10 2. The system of claim 1, wherein said reference data unit comprises an outlet-facility unit for providing relationship information between an outlet and a facility, said extraction unit receiving said relationship information and augmenting said pharmaceutical delivery information to include said relationship information with said facility.
 - 15 3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information, said pharmaceuticals being delivered to sub-outlets.
 - 20 4. The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.
 - 25 5. The system of claim 2, wherein said reference data unit comprises a zip code unit providing a virtual facility for a zip code for one or more outlets in said zip code which are not related to an actual facility.
 6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said pharmaceutical delivery information to include said physician information.
 - 30 7. The system of claim 1, wherein said reference data unit comprises a diagnosis-treatment unit providing a cross reference between pharmaceuticals and medical diagnosis,

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

8. The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.

5 9. The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

10. The system of claim 1, wherein said extract data is received weekly.

11. The system of claim 1, wherein said extract data is received monthly.

12. A method for inter-relating pharmaceutical delivery information from a 10 manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

receiving an input comprising pharmaceutical delivery information ;

15 receiving one or more reference datum, said reference datum sharing at least one cross relational property to a data type in said pharmaceutical delivery information ; and augmenting said pharmaceutical delivery information by inter-relating said data type in said pharmaceutical delivery information with said one or more reference datum in order to provide pharmaceutical delivery information with inter-related reference datum.

13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a 20 facility.

14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.

15. The method of claim 14, wherein said zip code is an actual postal zip code.

16. The method of claim 13, wherein said step of receiving said one or more 25 reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.

17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.

19. The method of claim 18, wherein said diagnosis-treatment data is retrieved
5 from an external database.

20. The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.

21. The method of claim 12, wherein said extract data is received weekly.

22. The method of claim 12, wherein said extract data is received monthly.

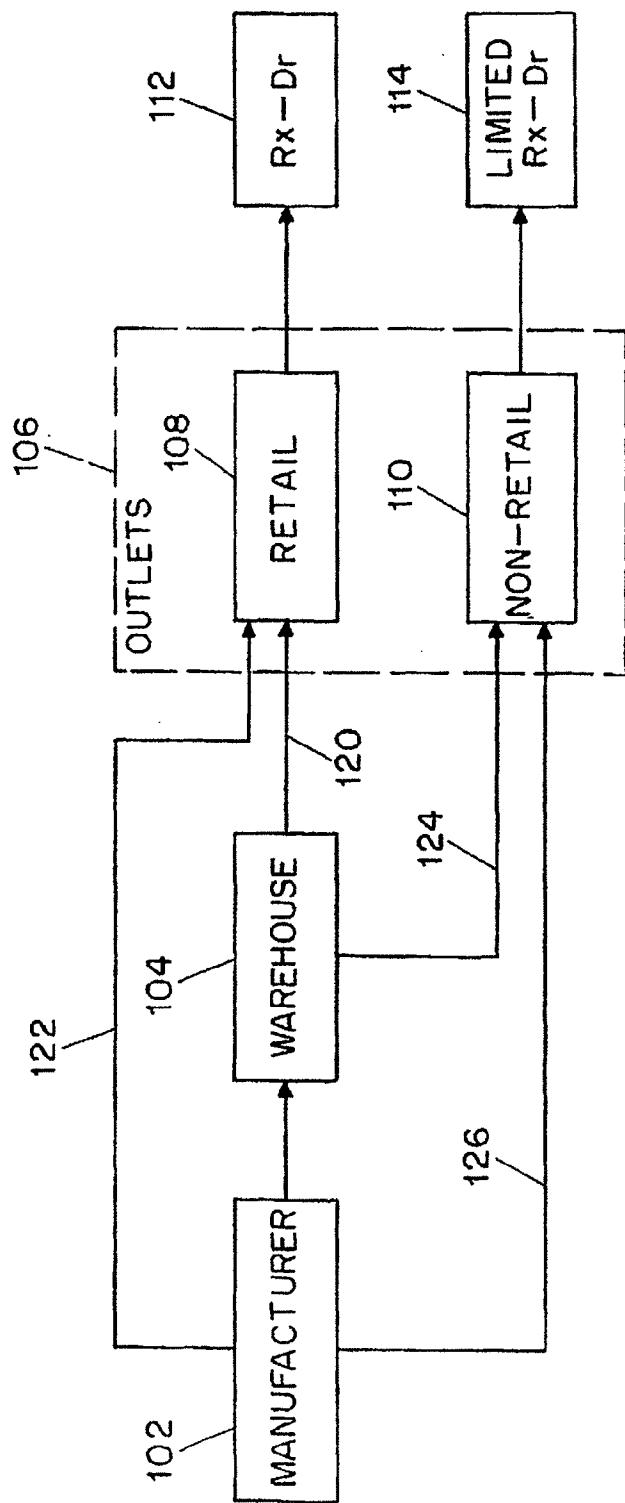


FIG. 1

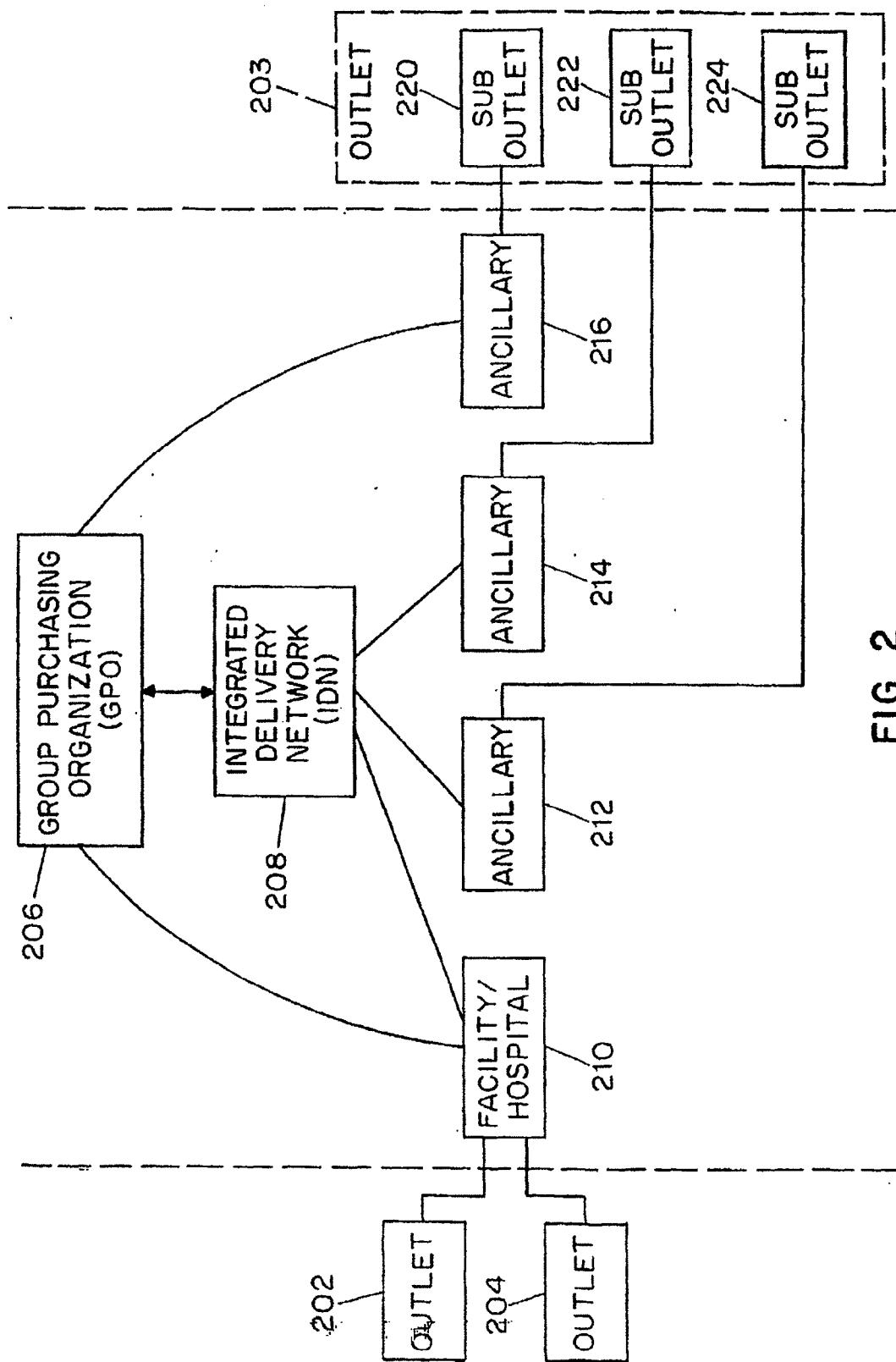


FIG. 2

SUBSTITUTE SHEET (MILL E 98)

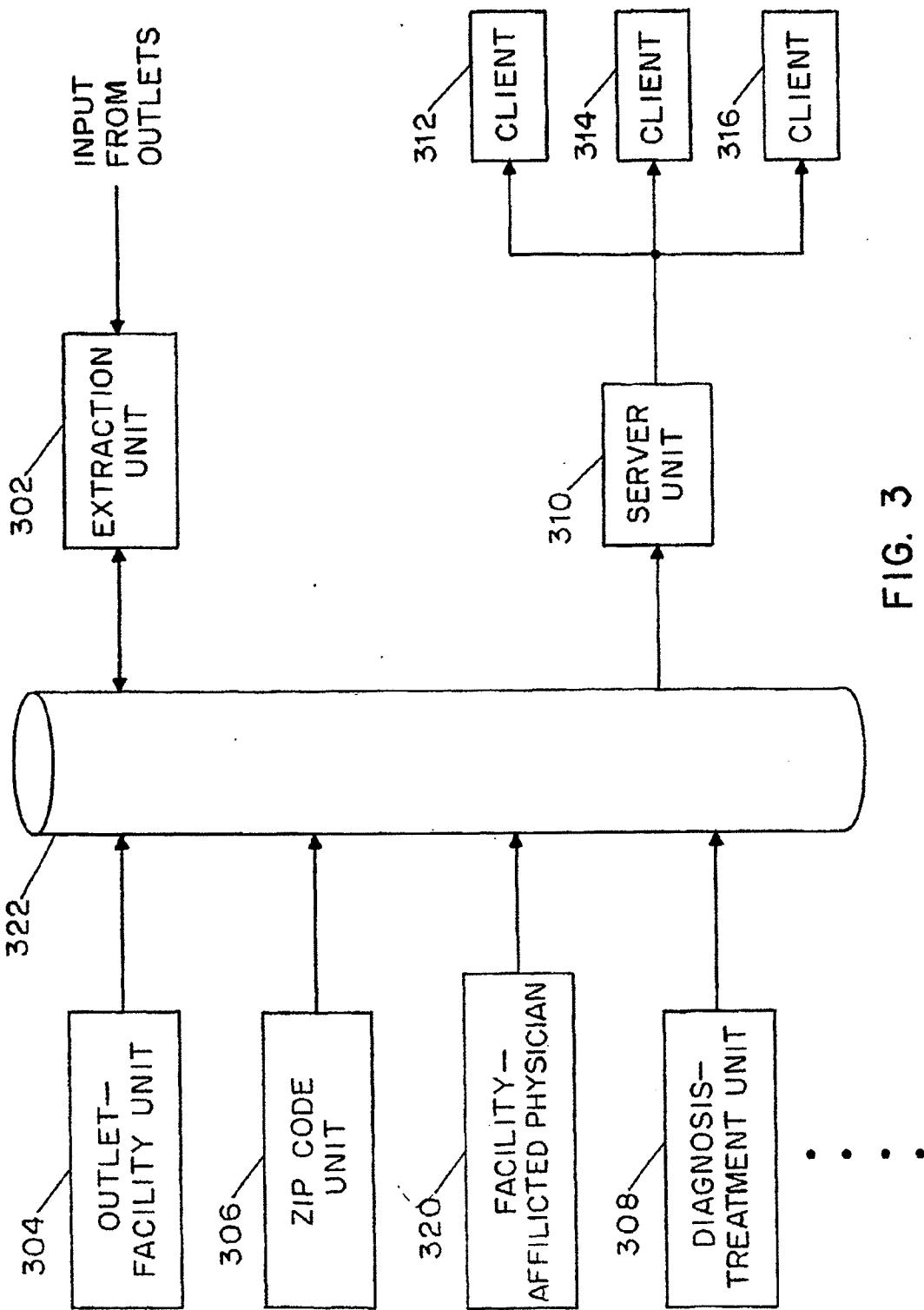


FIG. 3

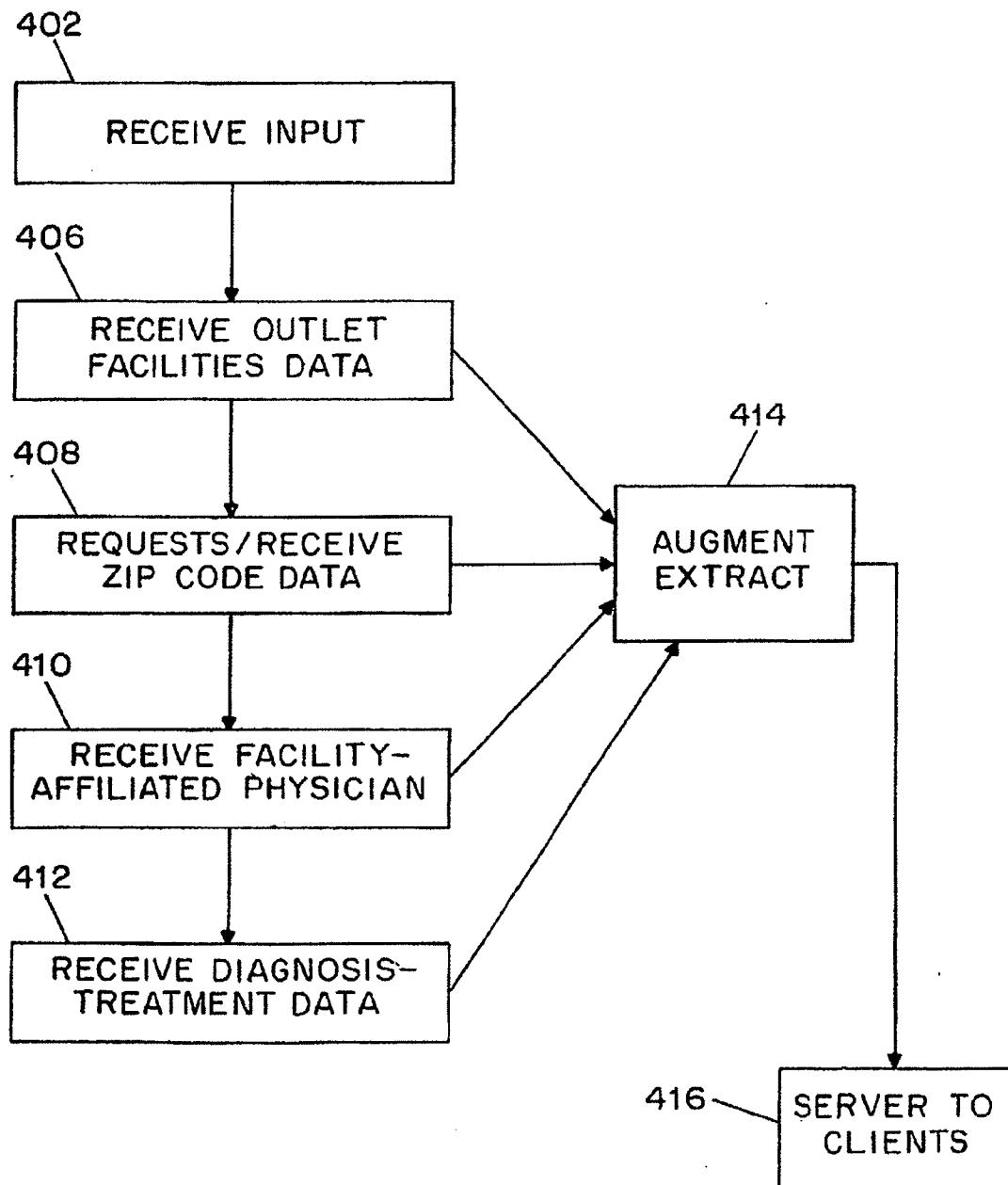


FIG. 4

SUBSTITUTE SHEET (RULE 26)

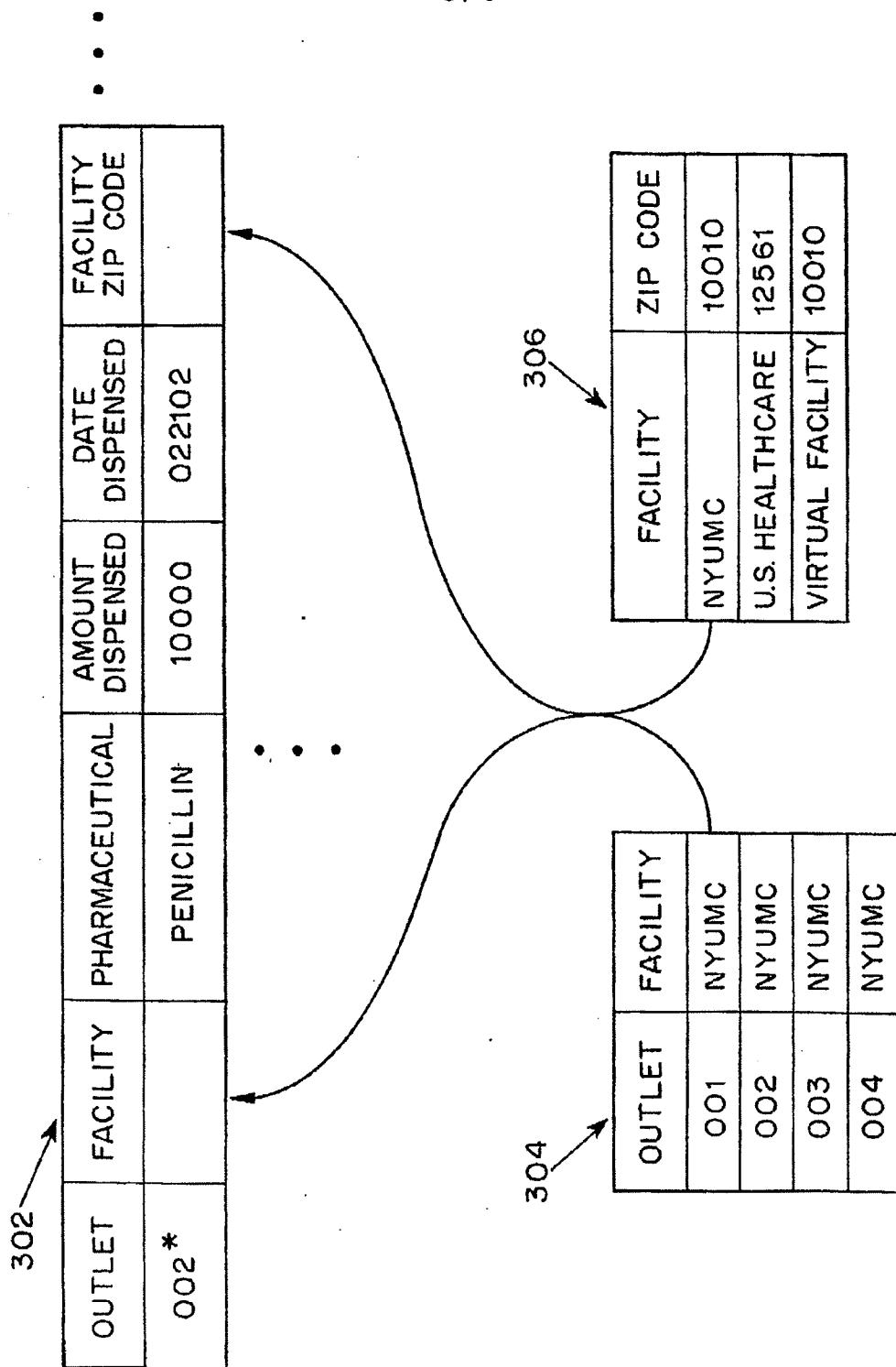


FIG. 5

SUBSTITUTE SHEET (RULE 26)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/39248

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/60
 US CL : 705/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
West - USPatents;Pubs;Derwent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0111828 A1 (BLODER et al.) 15 August 2002 (15.08.2002), Fig. 1, Abstract, [003]-[0013], [0018]-[0022]-[0026].	1-22
A	US 6,249,774 B1 (RODEN, et al.) 19 June 2001 (19.06.2001), Figs. 1-3; col. 2, lines 11-59; col. 3, line 9-col. 4, line 49; col. 5, line 52-col. 6, line 2; col. 7, line 56-col. 8, line	1-22
A	US 20002/0065683 A1 (PHAM et al.) 30 May 2002 (30.05.2002) Figs. 1-3, Abstract, [0005]-[0008], [0011]-[0013], [0015], [0021]-[0024], [0031]-[0037], [0077], [0086]-[0087], [0103]-[0137], [0144], [0148], [0150], [0160].	1-22

 Further documents are listed in the continuation of Box C. See patent family annex.

Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
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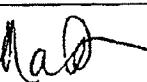
Date of the actual completion of the international search

11 March 2003 (11.03.2003)

Date of mailing of the international search report

29 MAY 2003

Name and mailing address of the ISA/US
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Authorized officer
 Richard Chilcot 
 Telephone No. (703) 308-1113

Form PCT/ISA/210 (second sheet) (July 1998)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)	(Earliest) Priority Date (day/month/year)
Applicant IMS HEALTH INCORPORATED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1.	Basis of the Report
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.	
<input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).	
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:	
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<input type="checkbox"/> filed together with the international application in computer readable form.	
<input type="checkbox"/> furnished subsequently to this Authority in written form.	
<input type="checkbox"/> furnished subsequently to this Authority in computer readable form.	
<input type="checkbox"/> the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
<input type="checkbox"/> the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.	
2. <input type="checkbox"/> Certain claims were found unsearchable (See Box I).	
3. <input type="checkbox"/> Unity of invention is lacking (See Box II).	
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<input checked="" type="checkbox"/> the text is approved as submitted by the applicant.	
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5. With regard to the abstract,	
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<input checked="" type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.	
6. The figure of the drawings to be published with the abstract is Figure No. <u>4</u>	
<input type="checkbox"/> as suggested by the applicant.	
<input type="checkbox"/> because the applicant failed to suggest a figure.	
<input checked="" type="checkbox"/> because this figure better characterizes the invention.	



None of the figures

INTERNATION/ SEARCH REPORT

International application No.

PCT/US02/39248

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals delivered to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical delivery information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

From the INTERNATIONAL SEARCHING AUTHORITY

To:
 PAUL A. RAGUSA
 BAKER BOTTS L. L. P.
 30 ROCKEFELLER PLAZA
 NEW YORK, NY 10112-4498

PCT

TO
 PCT
 NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT
 OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing (day/month/year) 29 MAY 2003	
Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)
Applicant IMS HEALTH INCORPORATED	

1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
 no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Commissioner for Patents Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Richard Chilcot Telephone No. (703) 308-1113
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(See notes on accompanying sheet)

Form PCT/ISA/220 (April 2002)

Docketed
For 125/2003 DD* * * * *
* * * * *

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

Date of mailing (day/month/year)
24 June 2004 (24.06.2004)To:
RAGUSA, Paul, A.
Baker Botts LLP
30 Rockefeller Plaza
New York, NY 10112-4498
ETATS-UNIS D'AMÉRIQUE
Foreign Dept.
JUN 30 2004Applicant's or agent's file reference
35477-PCTRECEIVED
BAKER & BOTTLS, L.L.P.
IMPORTANT NOTICEInternational application No.
PCT/US2002/039248International filing date (day/month/year)
06 December 2002 (06.12.2002)

Priority date (day/month/year)

04 JUL - 1 AM 10:35

Applicant

IMS HEALTH INCORPORATED et al

TO

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on
24 June 2004 (24.06.2004) under No. WO 2004/053763

4. **TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase**

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a demand for international preliminary examination, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 90 90